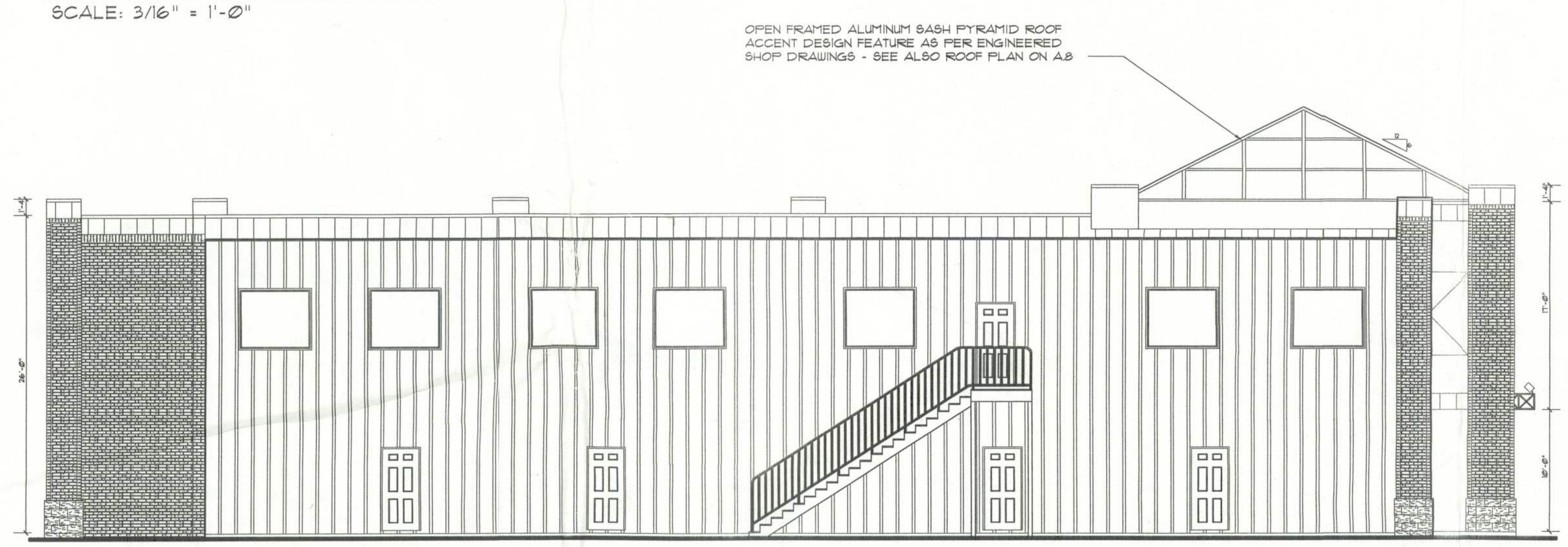
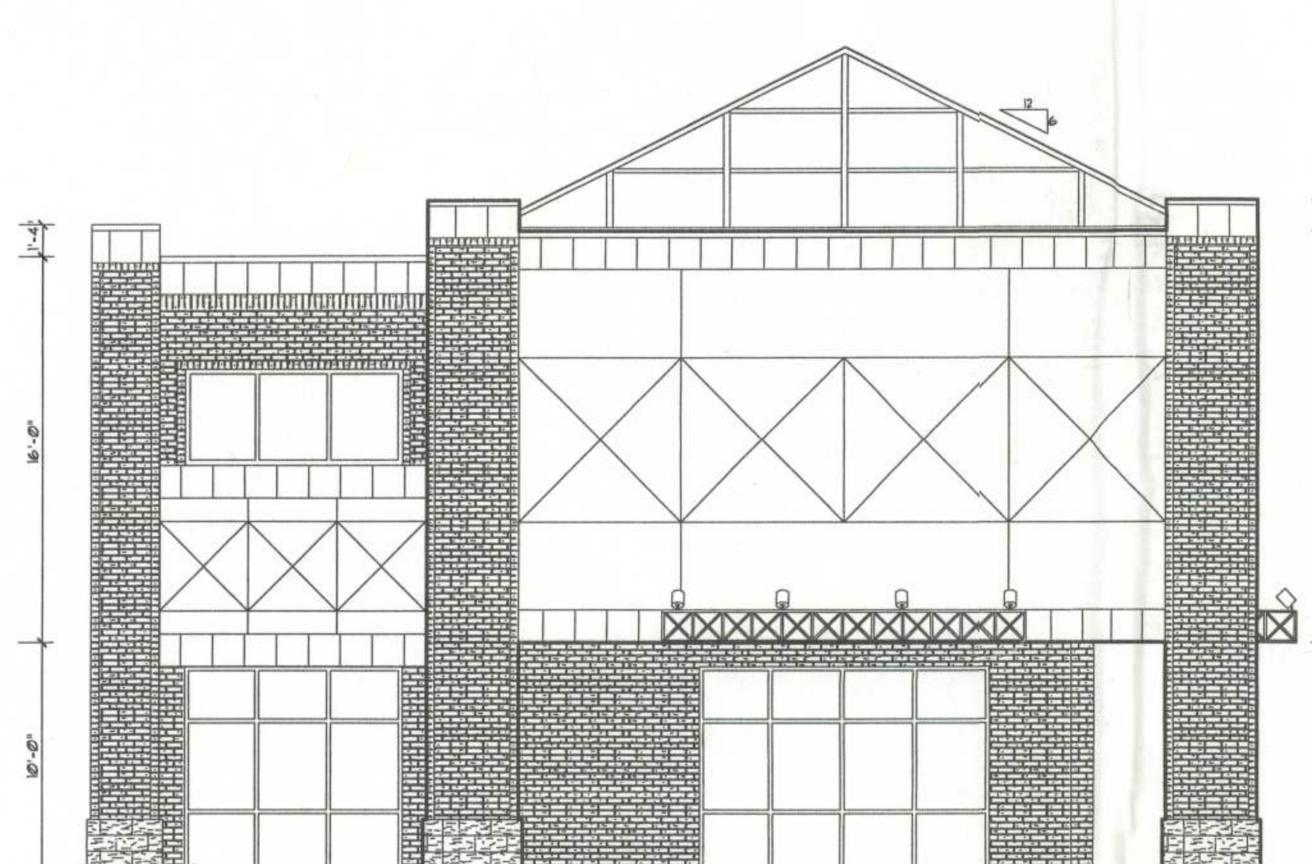
Front ELEVATION

SCALE: 3/16" = 1'-0"



Rear ELEVATION

SCALE: 1/8" = 1'-0"



Right Side ELEVATION

SCALE: 1/8" = 1'-0"

Left Side ELEVATION

SCALE: 1/8" = 1'-0"

BUILDING USE, CLASSIFACATION & OCCUPANCY AS PER TABLES 500 & 1003.1, FLORIDA BUILDING CODE, 2001 ED.	
BUILDING GROUP OCCUPANCY	GROUP S
TABLE 500 TYPE OF CONSTRUCTION	TYPE IV - UNPRO.
TABLE 500 AREA/HEIGHT LIMITATIONS	16.0 KSF/2 STORY
OCCUPANCY	
WAREHOUSE AREA: 1:300 SF GROSS 4000 SF / 300 = 13.33	14 OCCUPANTS

Daniel Shaheen

25 JUL 2005

D.D.S. Studios

© D.D.S. STUDIOS

P.O. Box 273
Lake City FL. 32056
(386) 754-0181

NEW FACILITIES for:

RIMROCK DESIGN

REVISIONS:

DRAWN BY: rpg

CHECKED:

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Road
Lake City, FL 32055
386/755-9021

SHEET NUMBER
A.1 of 6

All work shall comply with the standard building code, and all applicable local codes and ordinances.

Contractor shall verify all dimensions prior to commencing construction.

PROJECT NUMBER
2K530

APPROVED
(Subject to Revisions)
Inspection Department
Lake City Fire Dept.
State Fire Inspector
License # 112877
By: ________ Date: 11/29/05

Daniel Shaheen

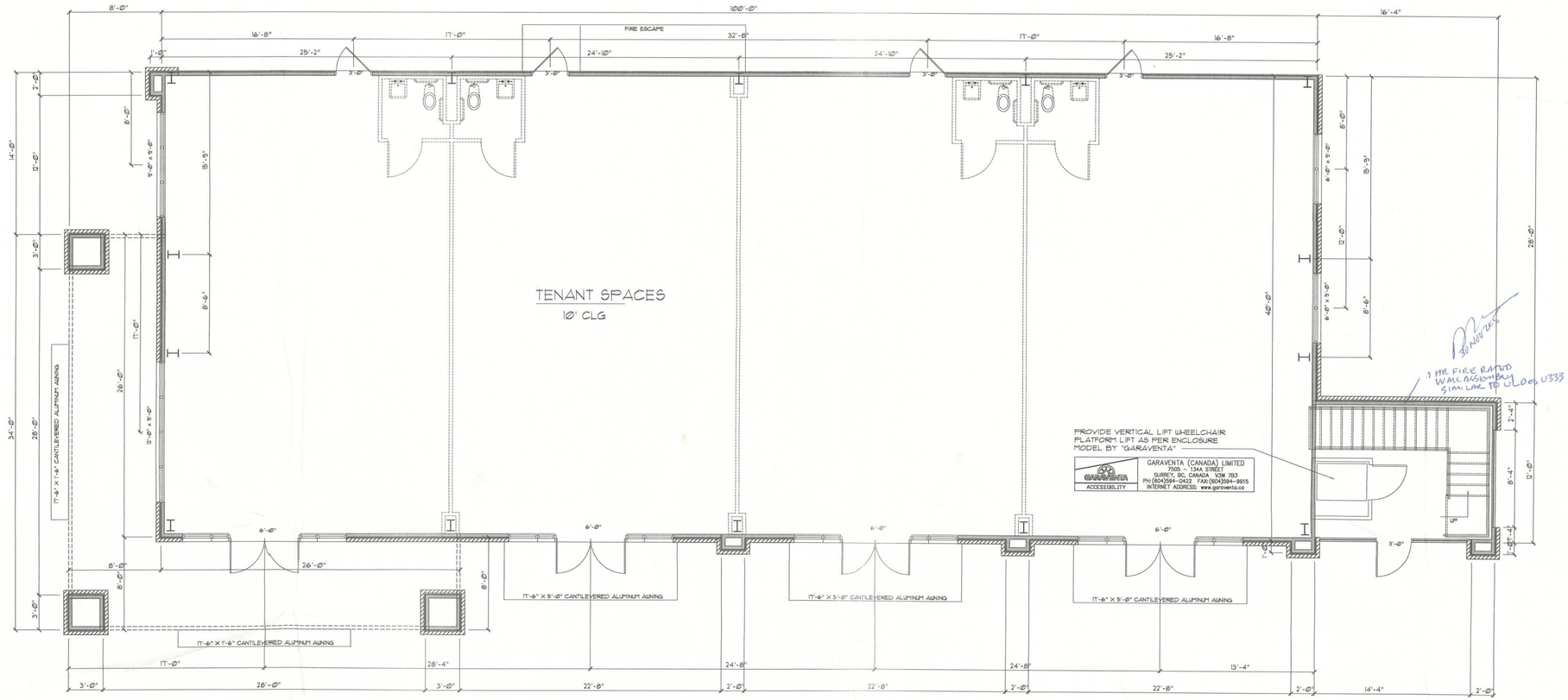
25 JUL 2005

D.D.S. STUDIOS
P.O. Box 273
Lake City FL. 32056
(386) 754-0181

NEW FACILITIES for:

RIMROCK DESIGN

REVISIONS:

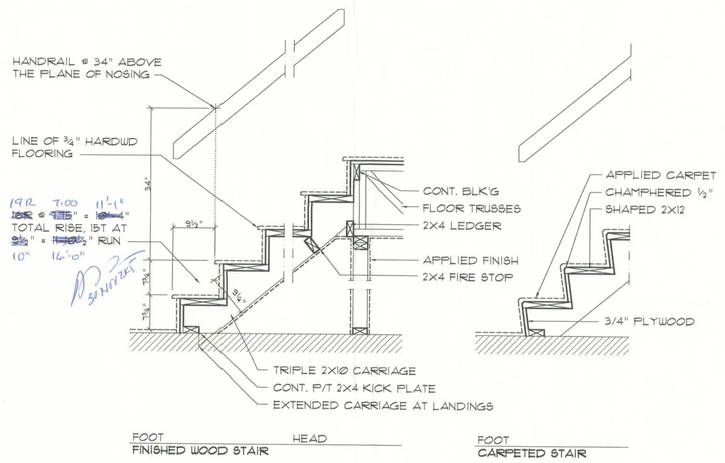


Floor PLAN

SCALE: 3/16" = 1'-0"

GENERAL PLUMBING NOTES:

1. SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
3. ALL MATERIALS SHALL BE NEW.
4. ALL WORK SHALL BE PREFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
5. ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
6. PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
7. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
8. WATER PIPING SHALL BE TYPE L COPPER UP TO 1", & TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER. AT THE OWNERS OPTION SUPPLY PIPING MAY BE C.P.V.C., SCHEDULE 40 OR SCHEDULE 80.
9. DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
10. SOIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB 301-72 ABOVE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNERS OPTION, P.V.C., SCHEDULE 40, SEE NOTE 12.
11. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.V.C., SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
12. P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
13. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
14. FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
15. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
16. ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
17. PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE, DO NOT MANIFOLD.
18. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
19. PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER.
20. FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.



Typical Stair DETAIL

SCALE: 3/4" = 1'-0"

A

NICHOLAS GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Road
Lake City, FL 32055
386/755-9027

SHEET NUMBER
A.2 of 8

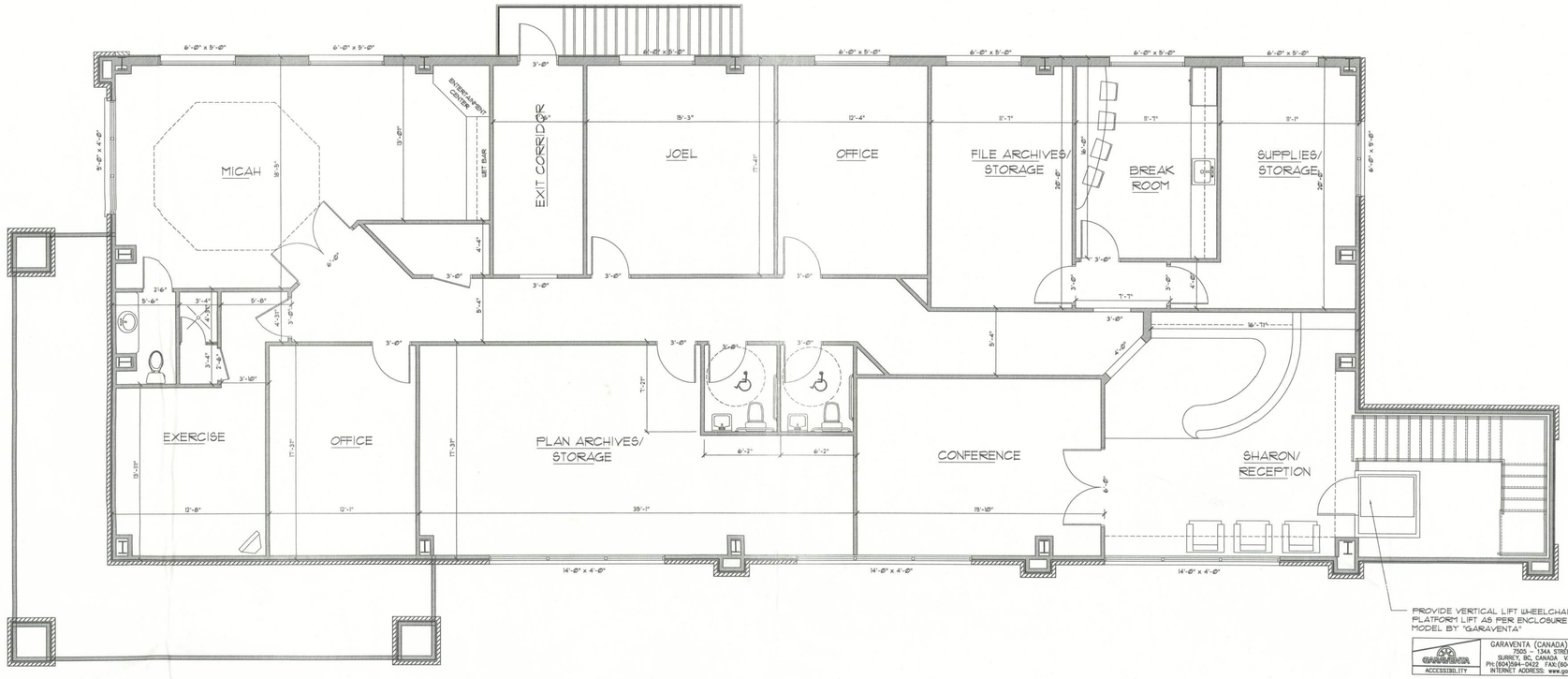
All work shall comply with the standard building code, and all applicable local codes and ordinances.

Contractor shall verify all dimensions prior to commencing construction.

PROJECT NUMBER
2K530

DRAWN BY:
MB
CHECKED:

Daniel Shaheen



GARAVENTA ACCESSIBILITY
GARAVENTA (CANADA) LIMITED
7505 - 134A STREET
SURREY, BC, CANADA V3W 7B3
PH:(604)594-0422 FAX:(604)594-9915
INTERNET ADDRESS: www.garaventa.ca

2nd FLOOR PLAN

SCALE: 3/16" = 1'-0"

GENERAL INTERIOR FINISH SCHEDULE:

FLOOR AREA:	CARPET AND PAD, PATTERN & COLOR AS PER THE OWNER OR LAMINATE STRIP WOOD - SEE OWNER FOR CHANGES
R/R FLOOR AREA:	SHEET VINYL OR CERAMIC TILE PAT. & COLOR AS SELECTED BY THE OWNER
BASE:	WOOD TRIM, PATTERN AND FINISH AS SELECTED BY THE OWNER OR RUBBER COVE OR CERAMIC TILE - MATCH WITH FLOORING
TRIM:	COVES, CROWNS, CASINGS CHAIRRAILS AND THE LIKE AS PER OWNER'S DIRECTIONS, STAIN & VARNISH OR PAINT COLOR AS PER OWNER
WALLS:	1/2" GWB, PRIMED AND PAINTED 2 COATS LATEX WALL PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
MAIN CEILING:	5/8" GWB, DIRECT HUNG, TAPED & FINISHED, W/ 2 COATS OF LATEX CEILING PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
APPLIED FINISHES:	APPLIED FINISHED TO GWB, ie: SPRAY, KNOCK-DOWN, SKIP-TROWEL AND SIMILAR TREATMENTS AS DIRECTED BY THE OWNER.
CABNETS:	AS SELECTED BY THE OWNER, MINIMUM AIPI GRADE: "CUSTOM" - ALL COUNTERTOPS SHALL BE AS SELECTED BY THE OWNER

A.D.A NOTES: ACCESSIBILITY

RESTROOM NOTES

WATERCLOSETS: SHALL COMPLY WITH SEC. 4.16 OF ADA
HEIGHT OF SEAT SHALL BE IN ACCORDANCE WITH SEC. 4.16.3 OF ADA
FLUSH CONTROLS SHALL BE IN ACCORDANCE WITH SEC. 4.16.5 OF ADA

GRAB BARS: SHALL COMPLY WITH SEC. 4.16.4 OF ADA

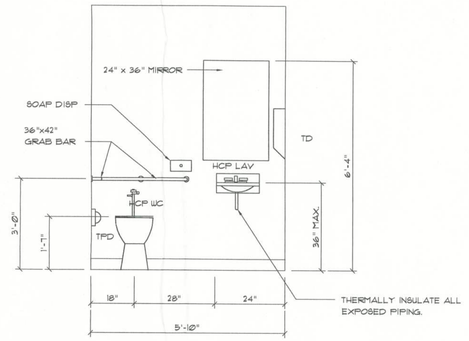
DISPENSERS: SHALL COMPLY WITH SEC. 4.16.6 OF ADA

LAVATORIES, SINKS & MIRRORS: SHALL COMPLY W/ SECTION 4.19 OF ADA
HEIGHTS SHALL COMPLY WITH SEC. 4.19.2.1 OF ADA
EXPOSED PIPES & SURFACES SHALL COMPLY W/ SECTION 4.19.4 OF ADA
FAUCETS SHALL COMPLY WITH SEC. 4.19.5 OF ADA
MIRRORS SHALL COMPLY WITH SEC. 4.19.6 OF ADA

OWNER SELECTED MATERIAL AND INSTALLATION OF FINISH FLOORING MATERIALS TO COMPLY WITH THE FOLLOWING:

SEC. 4.5 OF ADA
SEC. 4.3 OF ADA
APPLICABLE SECTIONS OF NFPA FIRE CODES
APPLICABLE SECTIONS OF NFPA 101-LATEST LIFE SAFETY CODE

FIXTURES, DEVICES AND RELATED HARDWARE NOT SPECIFICALLY DEFINED OR MENTIONED ELSEWHERE ARE TO BE OWNER SELECTED AND INSTALLED TO COMPLY WITH THE ABOVE APPLICABLE ADA SECTIONS.



H/C RESTROOM ELEVATION

SCALE : NTS

25 JUL 2005

D.D.S. STUDIOS
P.O. Box 273
Lake City FL. 32056
(386) 754-0181

NEW FACILITIES for:

RIMROCK DESIGN

REVISIONS:

AB0097005 REGISTERED

DRAWN BY: rp8
CHECKED:

NICHOLAS PAUL GEISLER ARCHITECT
NCARB Certified
1758 NW Brown Road
Lake City, FL 32055
386/755-6221

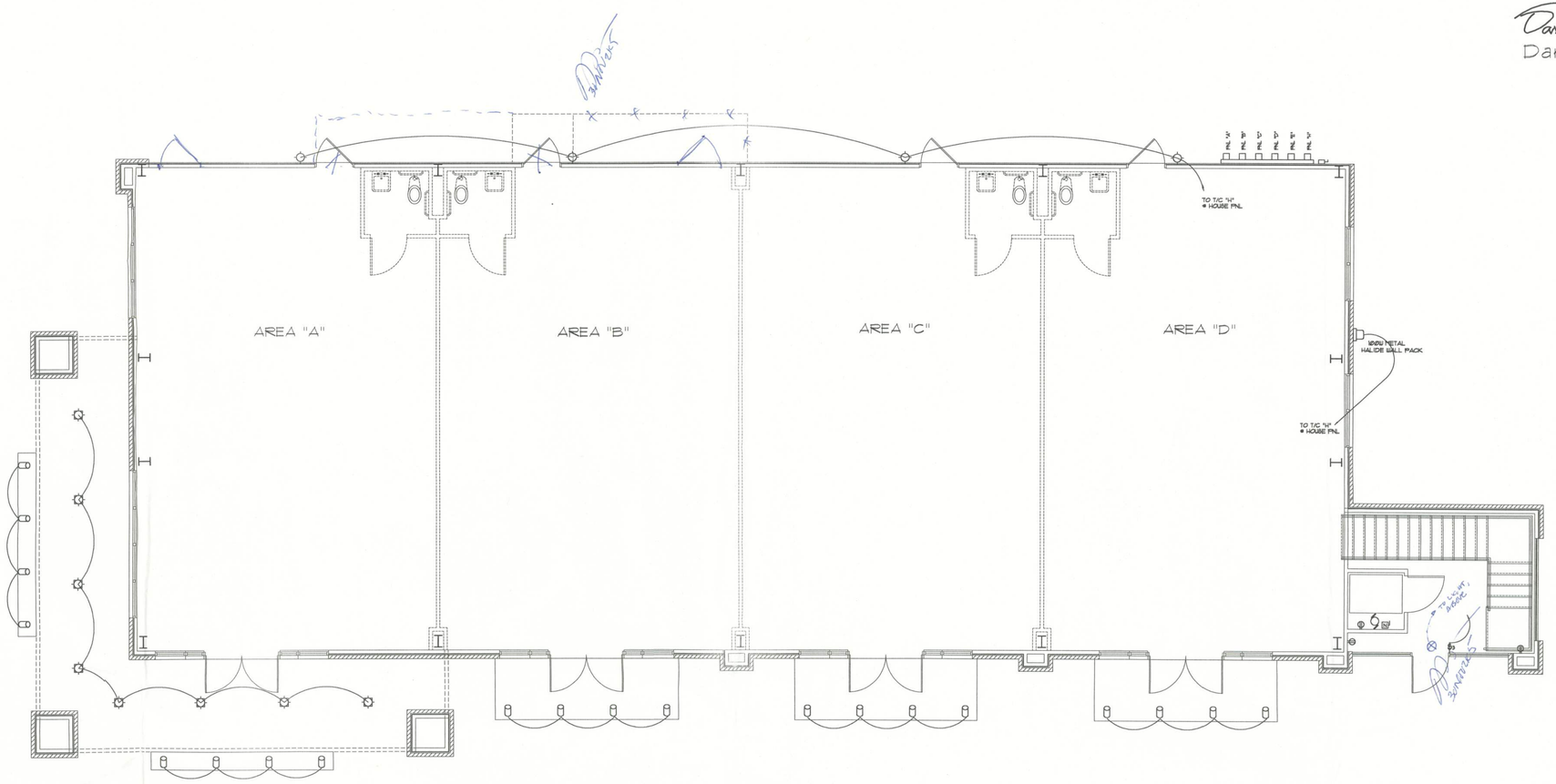
SHEET NUMBER
A.3 of 8

All work shall comply with the standard building code, and all applicable local codes and ordinances.

Contractor shall verify all dimensions prior to commencing construction.

PROJECT NUMBER
2K530

Daniel Shaheen



1st Floor ELECTRICAL PLAN

SCALE: 3/16" = 1'-0"

NOTE!
EMERGENCY LIGHTING AND EXIT SIGNS, SHALL BE PROVIDED AS DIRECTED BY THE FIRE MARSHAL, AND SHALL BE WIRED PER NEC 700-12F.

NOTE!
HOUSE LIGHTING TO BE WIRED THROUGH LOCAL PANEL T/C (AREA "A" THRU PNL "A1")

ELECTRICAL PLAN NOTES

1. WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.
2. CONSULT THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED.
3. INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.
4. ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER.
5. TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
6. ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

ELECTRICAL NOTES: General

1. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
2. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1993 EDITION, AND ITS AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
3. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-1984.
4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THHN, THWN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED TYPE.
5. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
6. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
7. INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
8. INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
9. INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
10. INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT. SIZE IN ACCORD WITH THE LOAD. ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
11. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD RELAYS IN EACH HOT LEG.
12. ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
13. FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRED FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS.)
14. OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
15. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
16. COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. CO-ORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
17. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 700-12F.
18. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN, EA. CIRCUIT SHALL BE CLEARLY IDENTIFIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
19. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
20. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
21. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HVAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
22. ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
23. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP. NO TIE HANDLES OR TANDEMS SHALL BE ACCEPTABLE.
24. ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (C.L.) RATED 200,000 AIC.
25. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME. ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK.
26. CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
27. CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
28. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE. VERIFY NUMBER AND SIZES OF CIRCUITS.
29. WHEN CONDUIT RUNS EXCEED 200 FEET, PULL BOXES SHALL BE INSTALLED SO THAT NO PULL EXCEEDS THIS DISTANCE.
30. ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

25 JUL 2005

D.D.S. Studios
D.D.S. STUDIOS
P.O. Box 273
Lake City FL. 32056
(386) 754-0181

NEW FACILITIES for:
RIMROCK DESIGN

REVISIONS:
1

AR0007006

DRAWN BY: RPS
CHECKED:

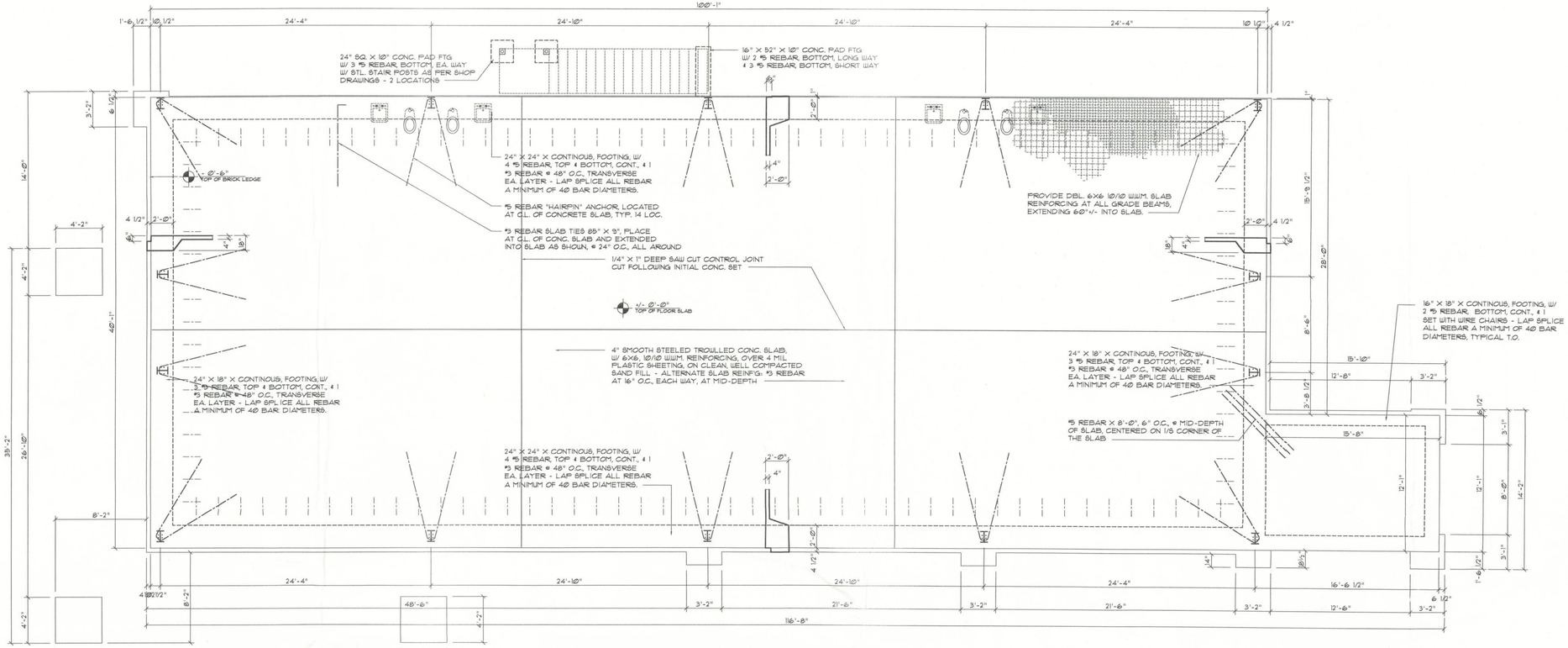
NICHOLAS PAUL GEISLER ARCHITECT
1758 NW Brown Road
Lake City, FL 32055
(386) 755-1521
NAGEL CERTIFIED

SHEET NUMBER
A.4 of 8

All work shall comply with the standard building code, and all applicable local codes and ordinances.

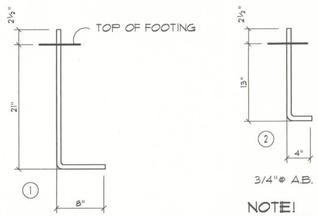
Contractor shall verify all dimensions prior to commencing construction.

PROJECT NUMBER
2K530



Foundation PLAN

SCALE: 3/16" = 1'-0"



3/4"ø A.B.

3/4"ø A.B.

NOTE!
ALL ANCHOR BOLTS ARE ASTM GRADE A36 STEEL ROD, THREADED 3 1/2", OR GRADE A307, BLACK, AND FREE FROM RUST AND SCALE

Anchor Bolt DETAILS 1 2

SCALE: 1" = 1'-0"

NOTE: THIS FOUNDATION PLAN IS REPRESENATIVE OF THE REQUIRED CONSTRUCTION AND WILL CHANGE AS REQUIRED BY THE ENGINEERED SHOP DRAWING LOADS FOR THE STEEL BUILDING AS PREPARED BY THE METAL BUILDING MANUFACTURER. THE FOUNDATION PLAN SHALL BE REVISED AS NEEDED TO INCLUDE ANY REQUIRED SHOP DRAWING DETAILS AND LOADS FOLLOWING RECEIPT OF SAME FROM THE OWNER, PRIOR TO POURING ANY CONCRETE.

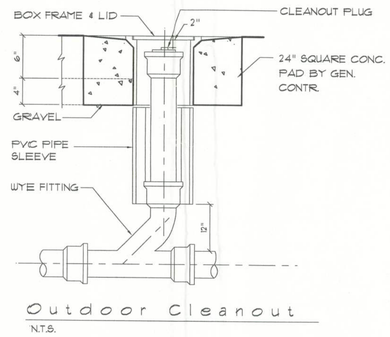
NOTE!
REFER TO THE METAL BUILDING SHOP DRAWINGS PREPARED BY MANUFACTURER FOR EXACT LOCATION OF ALL EMBEDDED ANCHOR BOLTS.

NOTE!
ADDED FILL SHALL BE APPLIED IN 12" LIFTS - E.A. LIFT SHALL BE COMPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2001 FBC 1606 AND LOCAL JURISDICTION REQUIREMENTS

CONCRETE / MASONRY / METALS GENERAL NOTES:

1. DESIGN SOIL BEARING PRESSURE: 1000 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS, BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YEILD STRESS = 65 KSI.
6. CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F'm = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



Outdoor Cleanout

N.T.S.

Daniel Shaheen

25 JUL 2005

D.D.S. STUDIOS
P.O. Box 213
Lake City FL. 32056
(386) 754-0181

NEW FACILITIES for:

RIMROCK DESIGN

REVISIONS:

AR0007005

DRAWN BY: mp8
CHECKED:

NICHOLAS GEISLER ARCHITECT
N.C.A.R.B. Certified
1708 NW Brown Road
Lake City, FL 32055
386/752-9021

SHEET NUMBER
A.6 of 8

All work shall comply with the standard building code, and all applicable local codes and ordinances.

Contractor shall verify all dimensions prior to commencing construction.

PROJECT NUMBER
2K530

AS - BUILT DRAWING REQUIREMENTS:

A. **ELECTRICAL "AS-BUILT" DRAWINGS**
ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nº., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

B. **H.V.A.C. "AS-BUILT" DRAWINGS**
H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE 1 COPY OF AS-BLT. DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

C. **PLUMBING "AS-BUILT" DRAWINGS**
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

AS-BUILT FIELD NOTES:

GENERAL NOTES:

1. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WARRANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FINDS.
6. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
7. ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
9. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
10. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
11. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION.
12. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GUB ON 1X3 WOOD FURRING AT 16" O.C., ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.

PROJECT INFORMATION / NOTES:

DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 110 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:
FOOTING DESIGN IS BASED UPON 1500PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS ie: CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL REQUIRE FOUNDATION MODIFACATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 30PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2001 FLORIDA BUILDING CODE

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST
LIFE SAFETY: NFPA-101 - LATEST

CONSTRUCTION DOCUMENTS

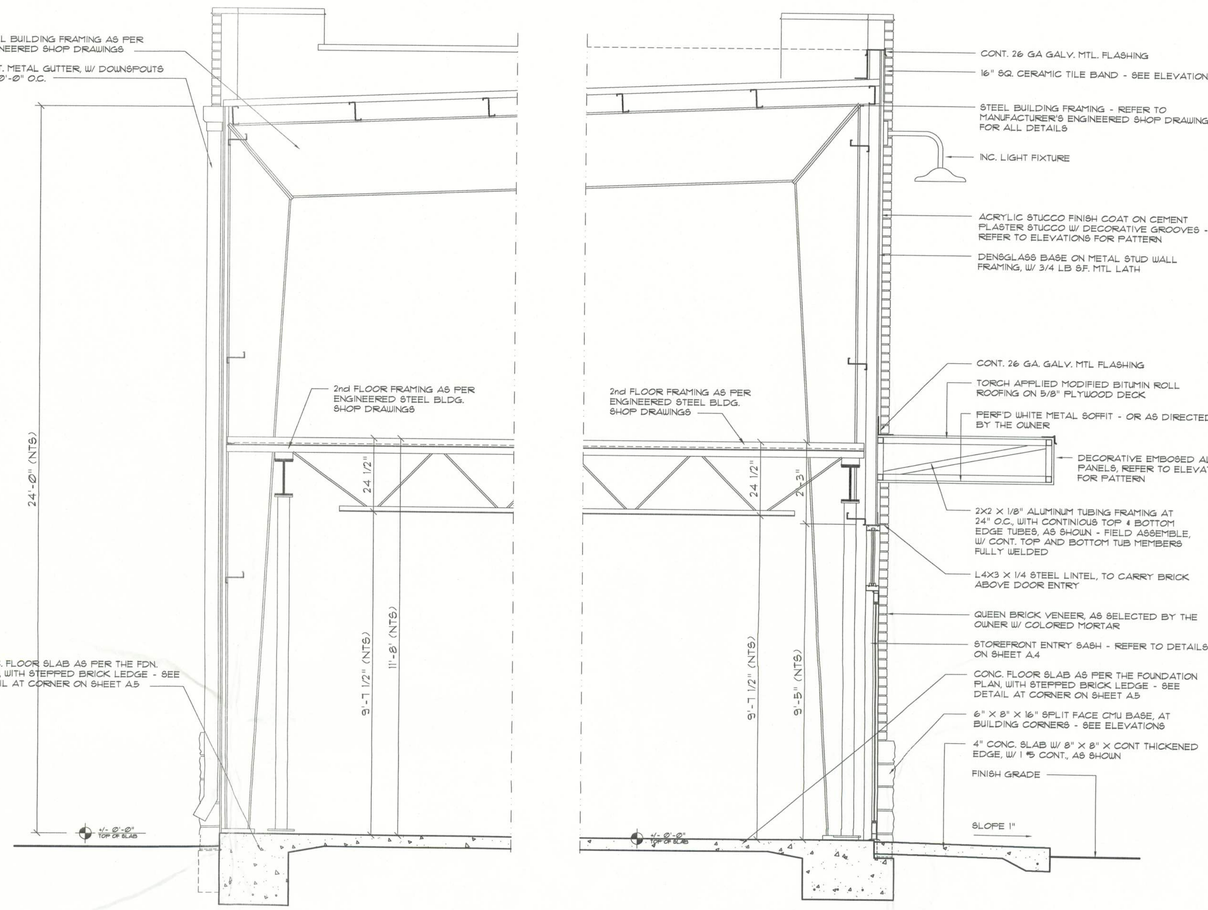
THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRACATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO FINAL PLAN SETS

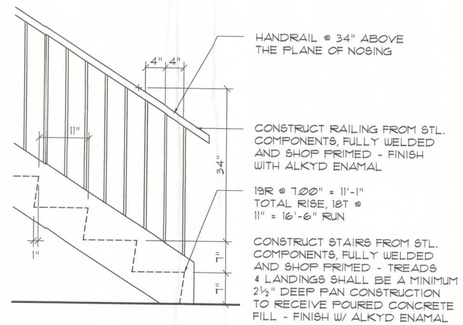
PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.



Building SECTION A

SCALE: 1/2" = 1'-0"

NOTE: THESE WALL SECTIONS ARE REPRESENATIVE OF THE REQUIRED CONSTRUCTION AND WILL CHANGE AS REQUIRED BY THE ENGINEERED SHOP DRAWINGS FOR THE STEEL BUILDING AS PREPARED BY THE METAL BUILDING MANUFACTURER. THESE WALL SECTIONS SHALL BE REVISED AS NEEDED TO INCLUDE ANY REQUIRED CHANGES, SHOP DRAWING DETAILS AND LOADS FOLLOWING RECEIPT OF SAME FROM THE OWNER.



Stair DETAIL C

SCALE: 1/4" = 1'-0"

Daniel Shaheen

25 JUL 2005

D.D.S. STUDIOS
P.O. Box 213
Lake City FL. 32056
(386) 754-0181

NEW FACILITIES for:
RIMROCK DESIGN

REVISIONS:

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Road
Lake City, FL 32055
386/755-9021

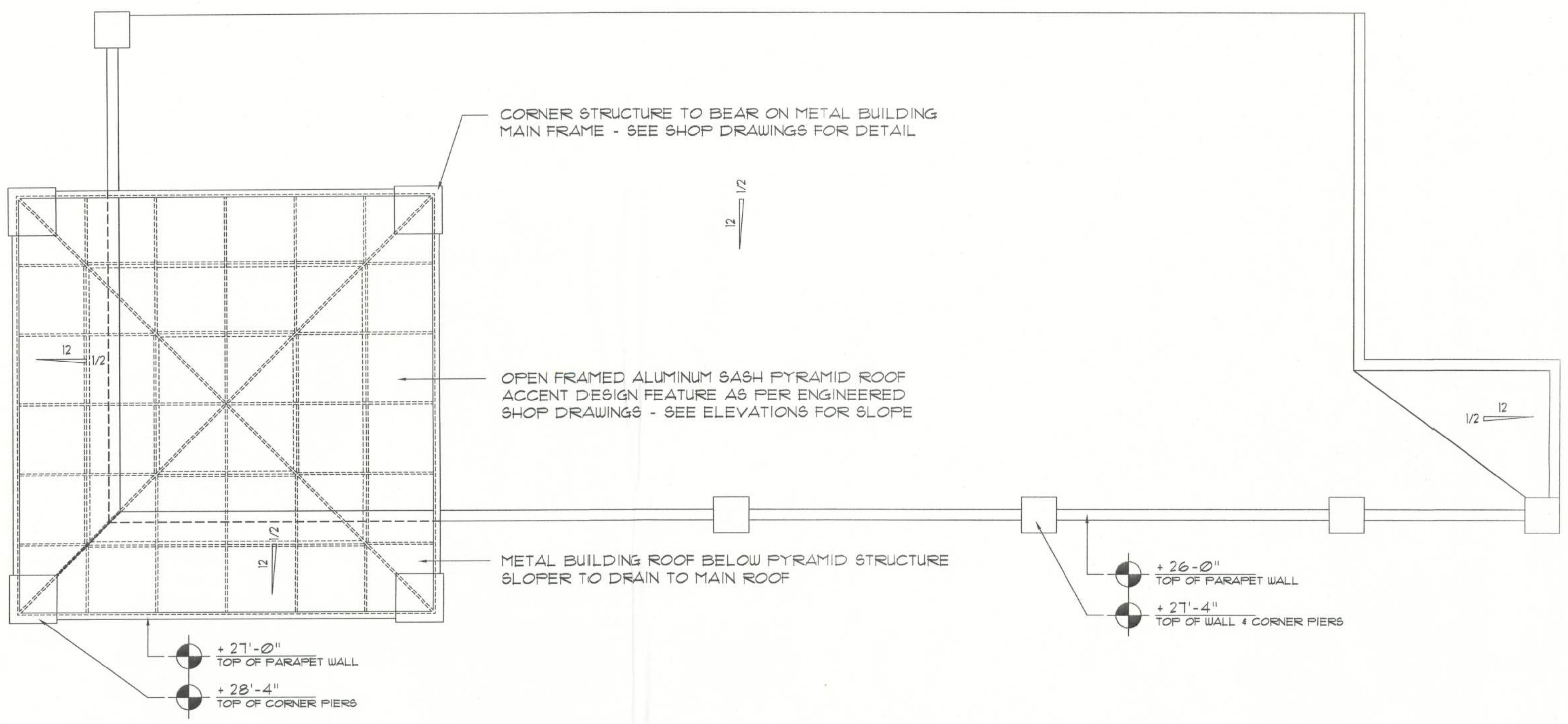
DRAWN BY: rpg
CHECKED:

SHEET NUMBER
A.1 of 8

All work shall comply with the standard building code, and all applicable local codes and ordinances.

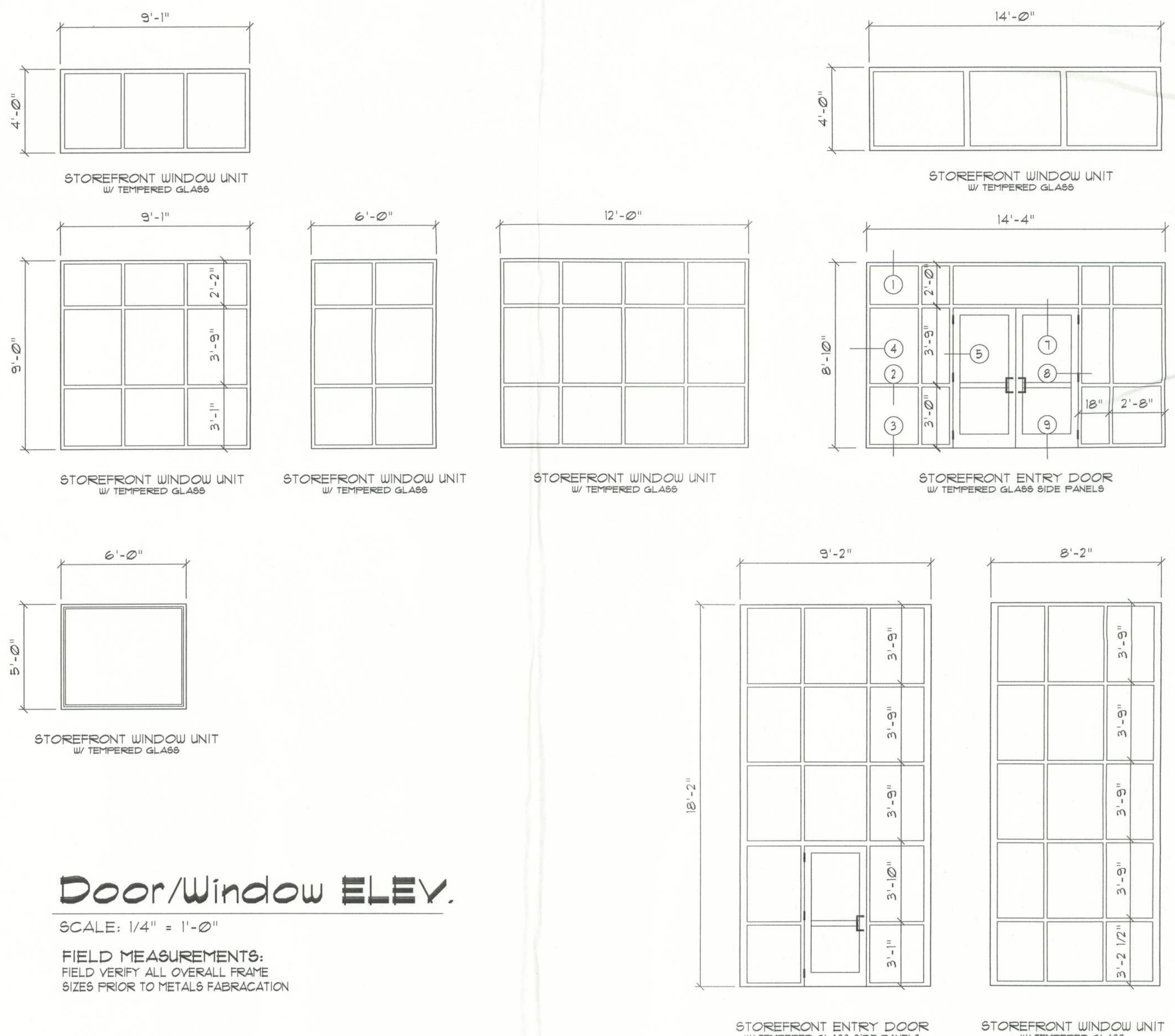
Contractor shall verify all dimensions prior to commencing construction.

PROJECT NUMBER
2K530



Roof PLAN

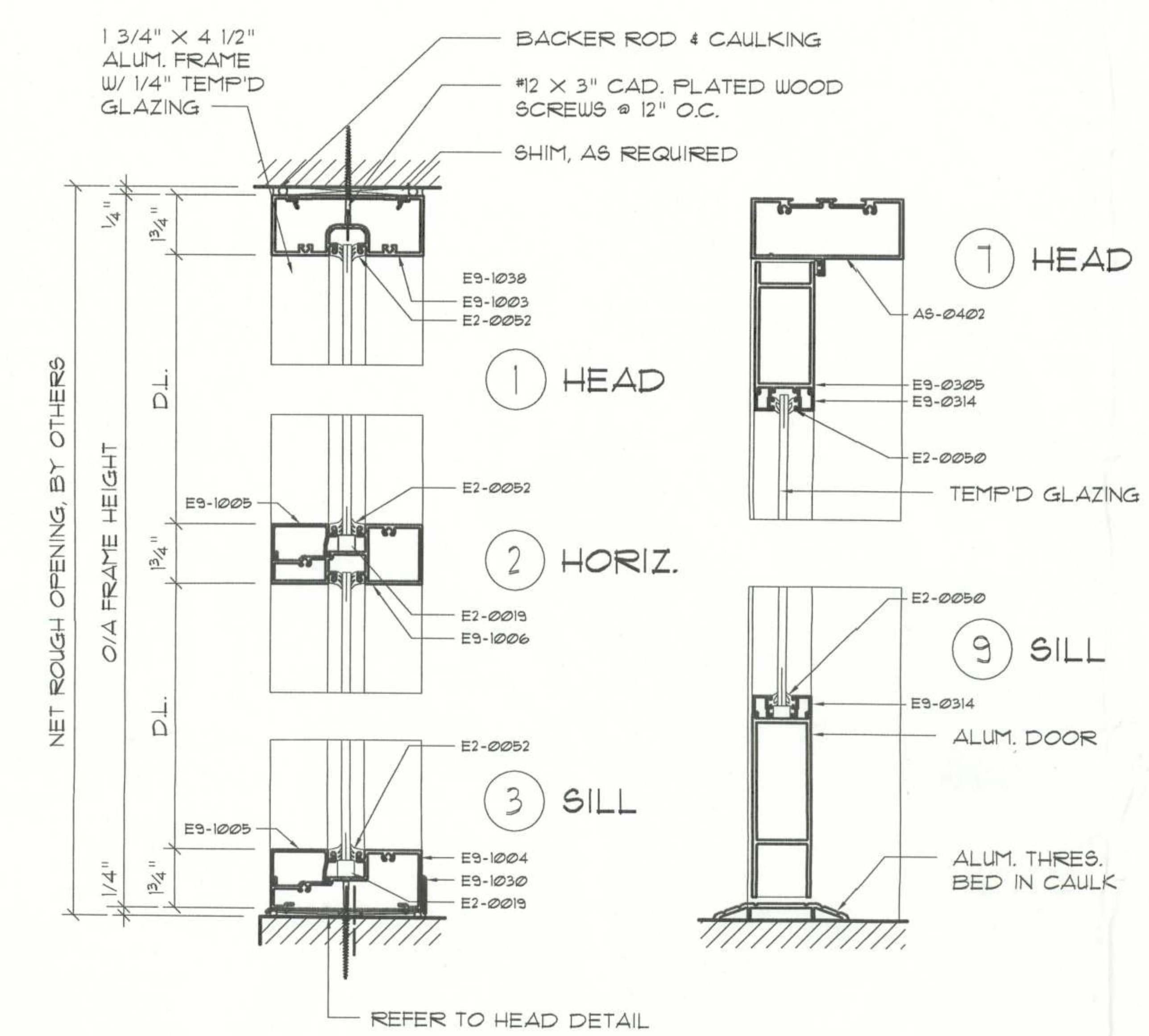
SCALE: 1/4" = 1'-0"



Door/Window ELEV.

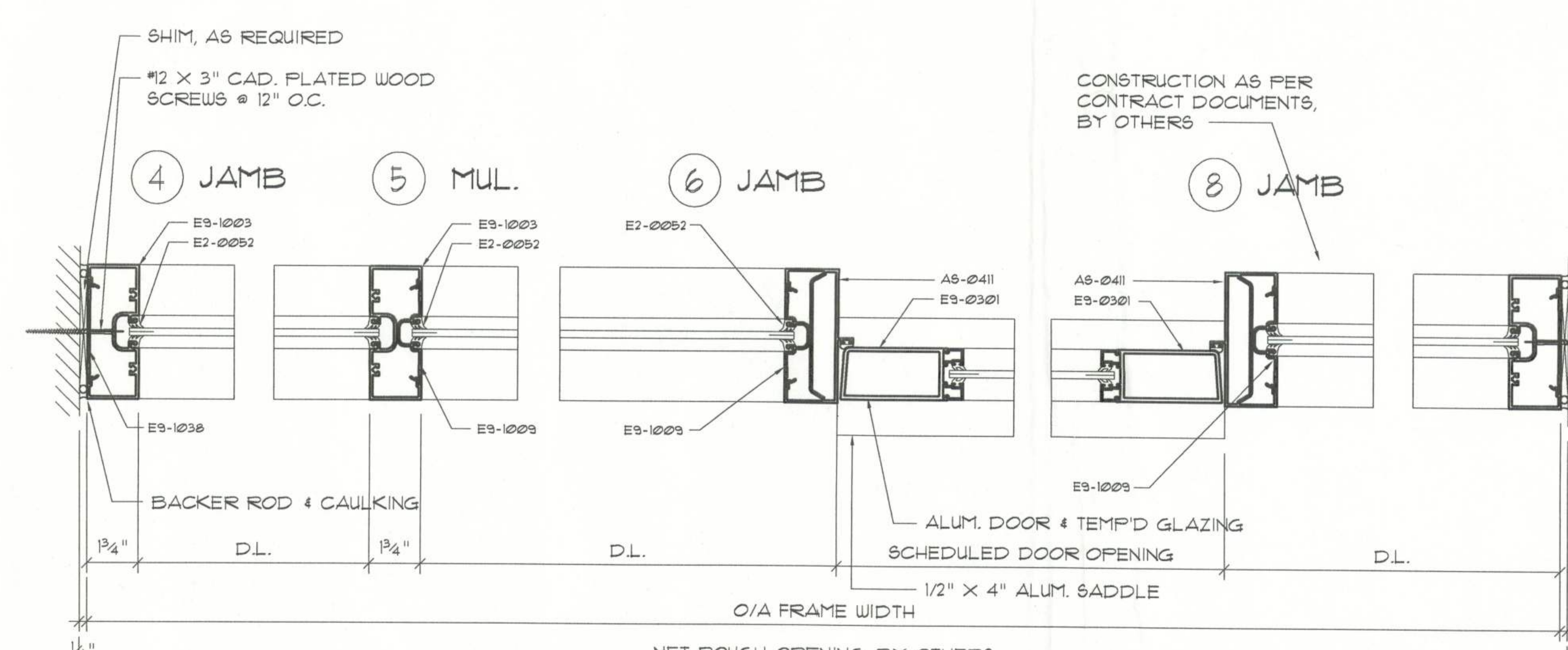
SCALE: 1/4" = 1'-0"

FIELD MEASUREMENTS:
FIELD VERIFY ALL OVERALL FRAME SIZES PRIOR TO METALS FABRACATION



VERTICAL SECTION

SCALE: 3" = 1'-0"



HORIZ. SECTION

SCALE: 3" = 1'-0"

GENERAL SHOP DRAWING NOTES:

ENTRANCES & STOREFRONTS

MANUFACTURER:
YKK AP AMERICA, INC.
7606 CURRENCY DRIVE
ORLANDO, FL 32807

FINISH:
IN ACCORDANCE WITH AA-M12C22A31 (#17 CLEAR)
COLOR: CLEAR

GLAZING:
STOREFRONT DOORS - MEDIUM STYLE 35D:
1/4" TEMPERED GLASS
STOREFRONT 1 3/4" X 4 1/2" "C-SLOT":
1/4" TEMPERED GLASS

DOOR HARDWARE:
CLOSER - CONCEALED, SELECTIVE HOLD OPEN
OFFSET PIVOTS
LOCKS - "ADAMS-RITE" Nr: 400, DEAD LATCH, LEVER 4560 ON EXTERIOR IN COMBINATIN W/ PANIC DEVICES, EA. LEAF.
PULL HANDLES: STANDARD ALUMINUM UNITS
PUSH BARS: STANDARD ALUMINUM UNITS
PANIC HARDWARE: CONCEALED ROD TYPE, W/ FULL WIDTH ACTUATOR BAR
THRESHOLD: MILL FINISH EXTRUDED ALUMINUM

INSTALLATION REQUIREMENTS:
CONTRACTOR SHALL PREPARE OPENINGS IN ACCORDANCE WITH THE TOLERANCES AS SPECIFIED IN THE PROJECT SPECIFICATIONS - WITH NET OPENING SIZES AS INDICATED IN THESE SHOP DRAWINGS.
NET OPENING WIDTH SHALL BE FRAME WIDTH + 1/2"
NET OPENING HEIGHT SHALL BE FRAME HEIGHT + 1/2"

CLEANING:
USE ONLY A SOLUTION OF A MILD LIQUID SOAP IN WATER FOR ALL SURFACES, INCLUDING GLAZING AND SASH MATERIALS.

Daniel Shaheen

25 JUL 2005

D.D.S. STUDIOS
P.O. Box 273
Lake City FL. 32056
(386) 754-0181

NEW FACILITIES for:
RIMROCK DESIGN

REVISIONS:

DRAWN BY: MS
CHECKED:

NICHOLAS PAUL GEISLER ARCHITECT
1758 NW Brown Road
Lake City, FL 32055
386/755-9021
N.C.A.R.B. Certified

SHEET NUMBER
A.8 of 8

All work shall comply with the standard building code, and all applicable local codes and ordinances.
Contractor shall verify all dimensions prior to commencing construction.

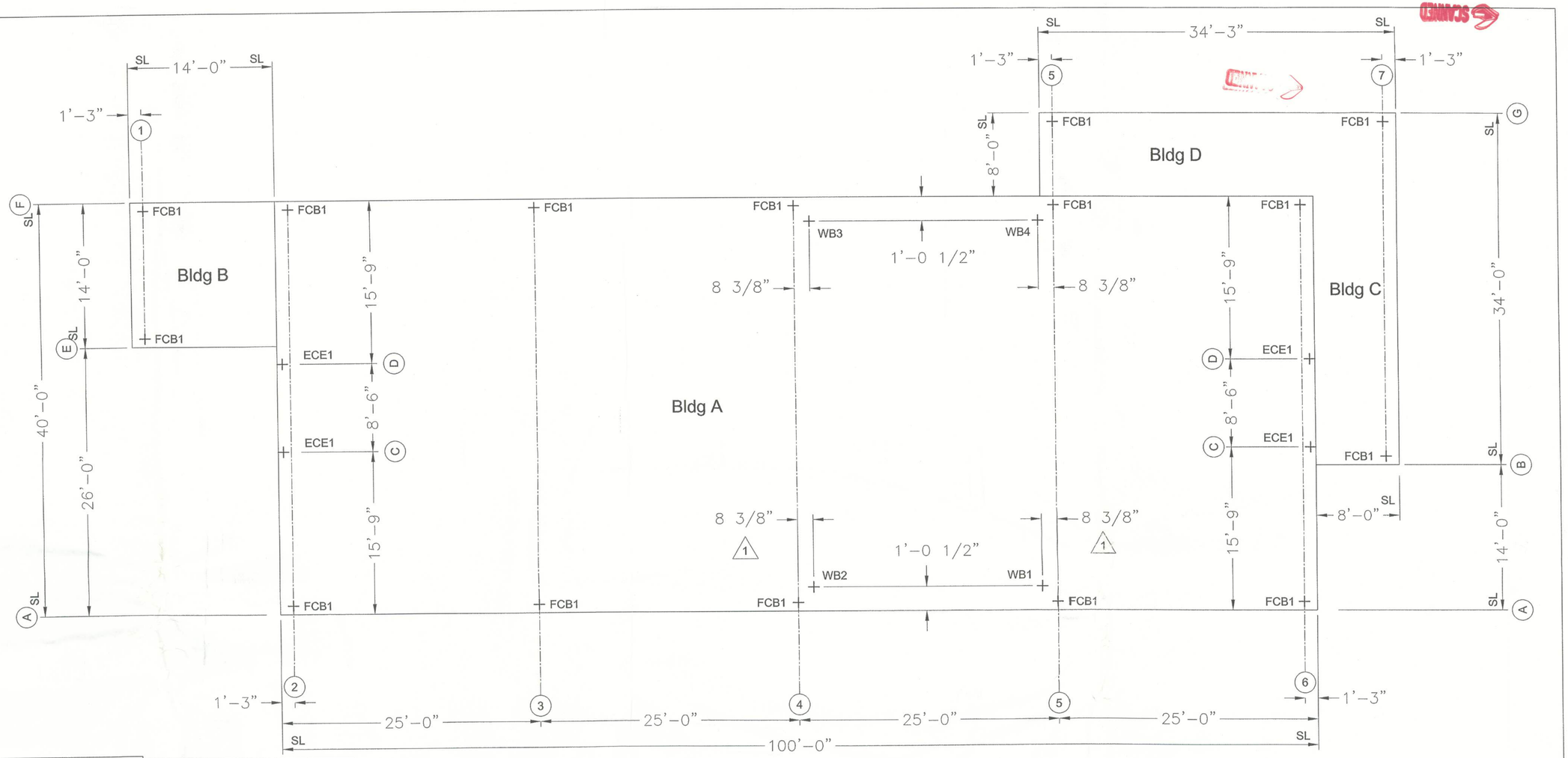
PROJECT NUMBER
2K530

BUILDING SYSTEM DESIGN CRITERIA
Loads Applied in Accordance with the 2001 FLORIDA BUILDING CODE

ORDER NO. 223680 REVISION 0	DATE 10/26/05
BUILDING(S)	A
DESIGN LOCALE	COLUMBIA CO., FL
LIVE LOAD FRAME	12 PSF
ROOF	20 PSF
WIND VELOCITY	2 100 MPH (3 SECOND GUST) IMPORTANCE FACTOR 1.0 EXPOSURE B ENCLOSURE ENCLOSED INTERNAL PRESSURE COEFFICIENT +/- 0.18 COLLATERAL COMPONENT and CLADDING PRESSURE 19.1 PSF
DEAD LOAD	The weight of the metal building components as it occurs.
COLLATERAL LOADS UNIFORM LOAD	5.0 PSF
CONCENTRATED LOAD	See Drawings for Magnitude and
MEZZANINE	Live Load= 100 psf; Dead Load = 58 psf; Sprinkler = 20 psf

BUILDING SYSTEM DESIGN CRITERIA
Loads Applied in Accordance with the 2001 FLORIDA BUILDING CODE

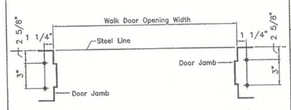
ORDER NO. 223680 REVISION 0	DATE 10/26/05
BUILDING(S)	B,C,D
DESIGN LOCALE	COLUMBIA CO., FL
LIVE LOAD FRAME	20 PSF
ROOF	20 PSF
WIND VELOCITY	2 100 MPH (3 SECOND GUST) IMPORTANCE FACTOR 1.0 EXPOSURE B ENCLOSURE ENCLOSED INTERNAL PRESSURE COEFFICIENT +/- 0.18 COLLATERAL COMPONENT and CLADDING PRESSURE 19.1 PSF
DEAD LOAD	The weight of the metal building components as it occurs.
COLLATERAL LOADS UNIFORM LOAD	5.0 PSF
CONCENTRATED LOAD	See Drawings for Magnitude and



ANCHOR BOLT QUANTITIES
Framed Opening and Walk Door Anchorage Devices are NOT included in this Table

BOLT DIA.	QTY.	BOLT DIA.	QTY.
3/4"	76		
5/8"	16		

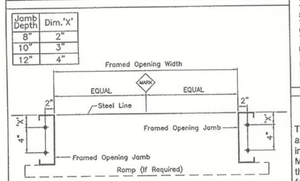
WASHERS SHOULD BE USED AT ALL ANCHOR BOLTS. ANCHOR BOLTS AND WASHERS ARE NOT BY THE METAL BUILDING MANUFACTURER UNLESS OTHERWISE NOTED.



WALK DOOR ANCHOR BOLT LAYOUT
(For Walk Doors with 8 1/4" Deep Jambs) 1/2" Expansion Bolts

This detail is provided for informational purposes only and is not to be used with pre-assembled door systems. Walk doors, when required, are FIELD LOCATED and are NOT located on the Anchor Bolt Layout

Jamb Depth	Dim. 'x'
8"	2"
10"	3"
12"	4"



FRAMED OPENING ANCHOR BOLT LAYOUT
Maximum 1/2" Anchorage Device with a 1 1/2" Projection

This detail is provided for informational purposes only. FIELD LOCATED Framed Openings, when required, are NOT located on the Anchor Bolt Layout. For SHOP LOCATED Framed Openings, when required, refer to the schedule below and the Anchor Bolt Layout.

SHOP LOCATED FRAMED OPENING SCHEDULE

Mark	Qty.	Jamb Depth	Opening Width	Mark	Qty.	Jamb Depth	Opening Width

MBS	METAL BUILDING SYSTEM
BLDG	BUILDING
SL	STEEL LINE
BL	BASE LINE
EW	ENDWALL
SW	SIDEWALL

GRID LINE

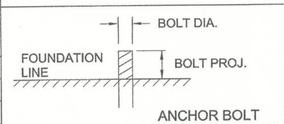
CENTER LINE

RECESSED OR RAISED COL. BASE

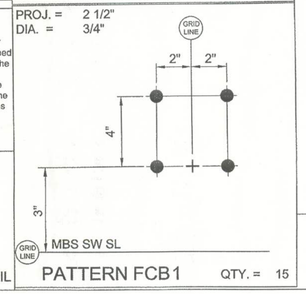
XX INDICATES DIMENSION OF COL. BASE ABOVE OR BELOW MBS BL

SYMBOLS AND ABBREVIATIONS

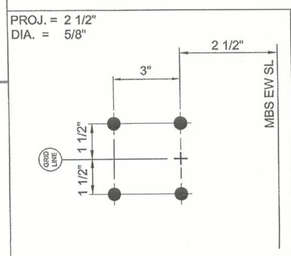
ATTENTION FOUNDATION DESIGNER
The manufacturer has determined the required anchor bolt diameter assuming full allowable combined shear and tension can be developed in the bolt in accordance with Table J3.3 of the AISC 9th Edition of the Manual of Steel Construction, Allowable Stress Design assuming a threaded part made of ASTM-A36 Steel. It is the responsibility of the foundation designer to design an anchorage system using bolts of the stated diameter that develop sufficient strength to resist the reactions given on the anchor bolt drawings. This may require the addition of embedded angles, plates or other items to allow the bolt group to develop a single resistance cone.



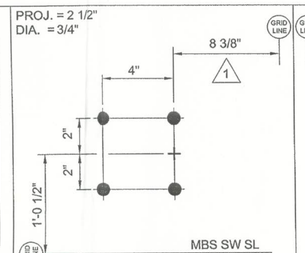
ANCHOR BOLT PROJECTION DETAIL



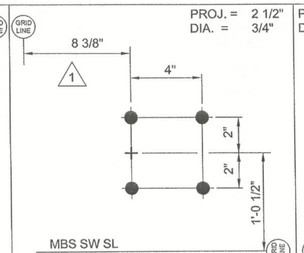
PATTERN FCB1 QTY. = 15



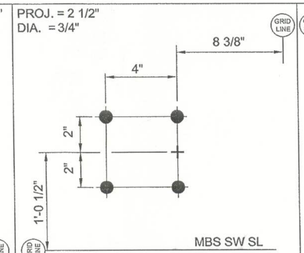
PATTERN ECE 1 QTY. = 4



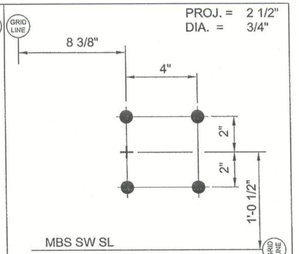
PATTERN WB1 QTY. = 1



PATTERN WB2 QTY. = 1



PATTERN WB3 QTY. = 1



PATTERN WB4 QTY. = 1

Rev. #	Description	Opr.	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	srs			9-2-05
1	REVISED FOR CONSTRUCTION	srs			9-22-05
2	REVISED FOR CONSTRUCTION PER CO#2	JAA			10/26/05

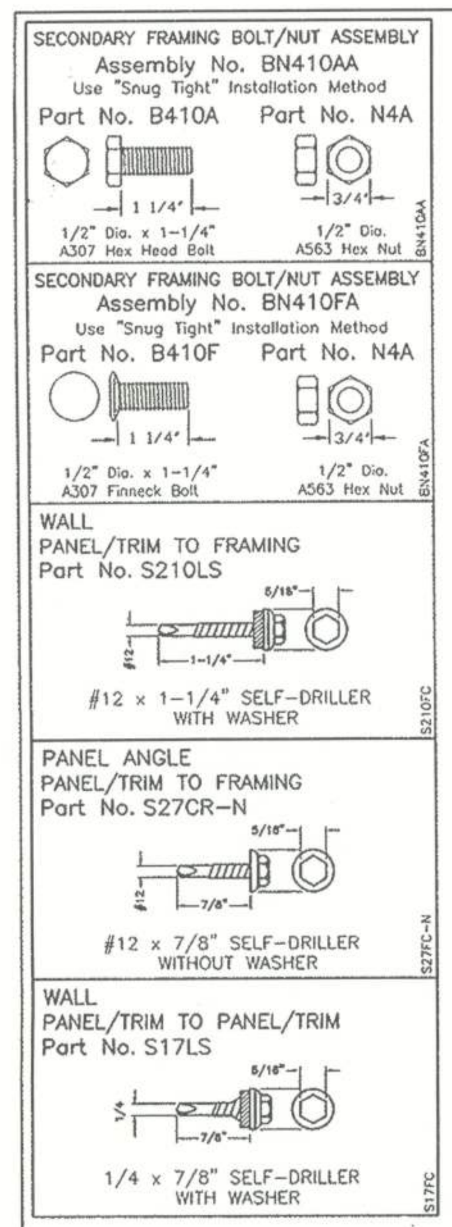
BACK / LEFT / RIGHT / FRONT

MBMI Building Solutions
P.O. Box 93829, Southlake, TX 76092 817-488-8511

Sheet Description: ANCHOR BOLT LAYOUT		Buyer: Simque Construction	Q Number: -
Operator: srs	Date: 9-02-05	End Customer: Rimrock Development, Inc.	Order Number: 22-3680
		MBMA METAL BUILDING MANUFACTURERS ASSOCIATION	Sheet Number: A1

DESIGN CRITERIA
Building Code: Florida 2001
Live Load: 12/20 psf
Wind Velocity: 100 mph 2

Designer Approval	Date
Designer Approval	



BUILDING SYSTEM DESIGN CRITERIA
Loads Applied in Accordance with the
2001 FLORIDA BUILDING CODE

ORDER NO. 223680 DATE 10/26/05
REVISION 0

BUILDING(S)	A	
DESIGN LOCALE	COLUMBIA CO., FL	
LIVE LOAD FRAME	12 PSF	
ROOF	20 PSF	
WIND VELOCITY	100 MPH (3 SECOND GUST)	
	IMPORTANCE FACTOR	1.0
	EXPOSURE	B
	ENCLOSURE	ENCLOSED
	INTERNAL PRESSURE COEFFICIENT	+/- 0.18
	COLLATERAL COMPONENT and CLADDING PRESSURE	19.1 PSF
DEAD LOAD	The weight of the metal building components as it occurs.	
COLLATERAL LOADS UNIFORM LOAD	5.0 PSF	
CONCENTRATED LOAD	See Drawings for Magnitude and	
MEZZANINE psf	Live Load= 100 psf; Dead Load = 58 psf; Sprinkler = 20	

BUILDING SYSTEM DESIGN CRITERIA
Loads Applied in Accordance with the
2001 FLORIDA BUILDING CODE

ORDER NO. 223680 DATE 10/26/05
REVISION 0

BUILDING(S)	B,C,D	
DESIGN LOCALE	COLUMBIA CO., FL	
LIVE LOAD FRAME	20 PSF	
ROOF	20 PSF	
WIND VELOCITY	100 MPH (3 SECOND GUST)	
	IMPORTANCE FACTOR	1.0
	EXPOSURE	B
	ENCLOSURE	ENCLOSED
	INTERNAL PRESSURE COEFFICIENT	+/- 0.18
	COLLATERAL COMPONENT and CLADDING PRESSURE	19.1 PSF
DEAD LOAD	The weight of the metal building components as it occurs.	
COLLATERAL LOADS UNIFORM LOAD	5.0 PSF	
CONCENTRATED LOAD	See Drawings for Magnitude and	

BUILDING INFORMATION

SYSTEM: 1 AREA: A

TYPE	SFS	ROOF PANEL	"ULTRA-DEK" 24Ga. GP
SLOPE	1/2:12	FRONT WALL PANEL	"PBR" 26GA. LS
WIDTH	40'-0"	BACK WALL PANEL	"OPEN FOR COLL. MAT'L"
HEIGHT	26'-0"	LEFT WALL PANEL	"OPEN FOR COLL. MAT'L"
LENGTH	100'-0"	RIGHT WALL PANEL	"OPEN TO BLD'G C"

ROOF ACCESSORIES

EAVE GUTTER

AT FRONT WALL

WALL ACCESSORIES

WALK DOORS PBR,PBA or PBX Panel

5 3070WH Mortise, Solid

FRAMED OPENNING

1 ZFO type# 2, 3' x 7' - A @ Front
1 ZFO type# 6, 6' x 5' - B @ Front

BUILDING INFORMATION

SYSTEM: 1 AREA: B

TYPE	SFS	ROOF PANEL	"ULTRA-DEK" 24Ga. GP
SLOPE	1/2:12	FRONT WALL PANEL	"OPEN FOR COLL. MAT'L"
WIDTH	14'-0"	BACK WALL PANEL	"OPEN FOR COLL. MAT'L"
HEIGHT	27'-0"	LEFT WALL PANEL	"OPEN FOR COLL. MAT'L"
LENGTH	14'-0"	RIGHT WALL PANEL	"OPEN TO BLD'G A"

ROOF ACCESSORIES

EAVE GUTTER

AT FRONT WALL

TABLE OF CONTENTS

BUILDING INFORMATION

SYSTEM: 1 AREA: D

TYPE	SFS	ROOF PANEL	"ULTRA-DEK" 24Ga. GP
SLOPE	1/2:12	FRONT WALL PANEL	"OPEN TO BLD'G A"
WIDTH	8'-0"	BACK WALL PANEL	"OPEN FOR COLL. MAT'L"
HEIGHT	27'-10"	LEFT WALL PANEL	"OPEN FOR COLL. MAT'L"
LENGTH	26'-3"	RIGHT WALL PANEL	"OPEN FOR COLL. MAT'L"

Customer Service "Notice"

In the event of fabrication or design problems, shortages of material, damaged or wrong material customer services is available to assist you. Should one of these problems occur contact our customer service department at the numbers listed below. When contacting us please refer to the "Order Number" shown in the lower right hand corner of this sheet.

Customer Service: Telephone 1-800-556-3726
or Fax 817-329-2346

Note: In order to receive reimbursement of costs, customer service must approve cost of materials or field work prior to procurement of materials or to work being performed. See the truck copy of the erection drawing package for further information and for sample forms of authorization to perform field work.

BUILDING INFORMATION

SYSTEM: 1 AREA: C

TYPE	SFS	ROOF PANEL	"ULTRA-DEK" 24Ga. GP
SLOPE	1/2:12	FRONT WALL PANEL	"OPEN FOR COLL. MAT'L"
WIDTH	34'-0"	BACK WALL PANEL	"OPEN FOR COLL. MAT'L"
HEIGHT	26'-7"	LEFT WALL PANEL	"OPEN TO BLD'Gs A&D"
LENGTH	8'-0"	RIGHT WALL PANEL	"OPEN FOR COLL. MAT'L"

General Notes

1. THE ERECTION DRAWING PACKAGE MAY CONSIST OF ERECTION DRAWINGS, DETAIL SHEETS, REFERENCE DRAWINGS, REFERENCE MANUALS, THIS TITLE SHEET DRAWING AND A BILL OF MATERIALS.
2. ALL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH EACH OTHER. IF CONFLICTS OCCUR THE ERECTION DRAWINGS SHALL TAKE PRECEDENCE.

Abbreviations

BLDG = BUILDING	BEF = BEARING END FRAME	GA = GAUGE
SW = SIDEWALL	FEF = FULL END FRAME	UN = UNLESS NOTED
EW = ENDWALL	BUE = BUILT-UP END FRAME	psf = POUNDS PER SQUARE FOOT
FW = FRONT WALL	SL = STEEL LINE	mph = MILES PER HOUR
BW = BACK WALL	BL = BASE LINE	kip = 1000 POUNDS
LW = LEFT WALL	RL = RIDGE LINE	
RW = RIGHT WALL		
BES = BOTTOM OF EAVESTRUT (LOW SIDE)		
BEH = BOTTOM OF EAVESTRUT (HIGH SIDE)		

Symbols

○ GRID LINE
◇ REFERENCES TO A DETAIL FOUND ON THE "DETAIL SHEETS"
⬡ PARTITION COLUMN LINE OR FLOOR COLUMN LINE

Special Notice for Buildings with GRAY PRIMER:

When Gray Primer is specified the customer is reminded that Gray Primer is intended as a PRIMER and that it should have minimal exposure to atmospheric conditions. The customer should also be reminded of the potential aesthetic issues that are specifically associated with Gray Primers such as: 1) Gray Primer will show rust spots/streaks due to imperfections in the application process and the properties associated with Gray Primers and 2) Abrasions caused by handling, loading, shipping, unloading, and during the erection process are unavoidable. As a result any rusting or abrasions on members with Gray Primer are NOT subject to customer rejection or claim for touch up to Mesco Building Solutions

DESIGN CRITERIA

Building Code FBC 2001
Live Load 12/20 psf
Wind Velocity 100 mph

Designer Approval		Date

Design Certification

These drawings and the metal building they represent are the product of MESCO Building Solutions, (P.O. Box 93629, Southlake, Texas 76092, 817-488-8511). The engineer whose seal appears hereon is employed by MESCO Building Solutions and is not the Engineer of Record. The structural design of the building system meets the specifications including the design criteria, design loads and serviceability requirements incorporated by the buyer into the order documents. MESCO's engineer is not responsible for observation or inspection of the erection of the building system and is not acting as the prime design professional for the construction project utilizing this building system. The information required to integrate the building system into the construction project is given in the Project Design Data.

SCANNED OCT 26 2005 MESCO - IDC

S. HARLEY DAVIDSON LICENSE No. 38305 STATE OF FLORIDA PROFESSIONAL ENGINEER

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/07/05
1	ISSUED FOR CONSTRUTION	MM	MM	10-26-05

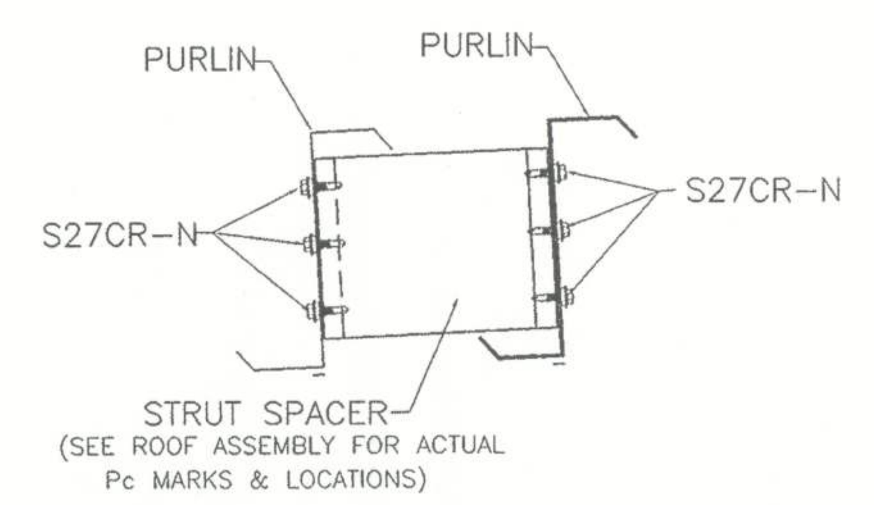
MESCO Building Solutions
P.O. Box 93629, Southlake, TX. Zip 76092 817-488-8511

Sheet Description	Buyer	Q Number	Order Number
TITLE SHEET	Simque Construction	-	22-3680
Operator: KEB / Date: 10-04-05	End Customer: Rimrock Development, Inc	MBMA METAL BUILDING MANUFACTURERS ASSOCIATION	Sheet Number: T1 of 1

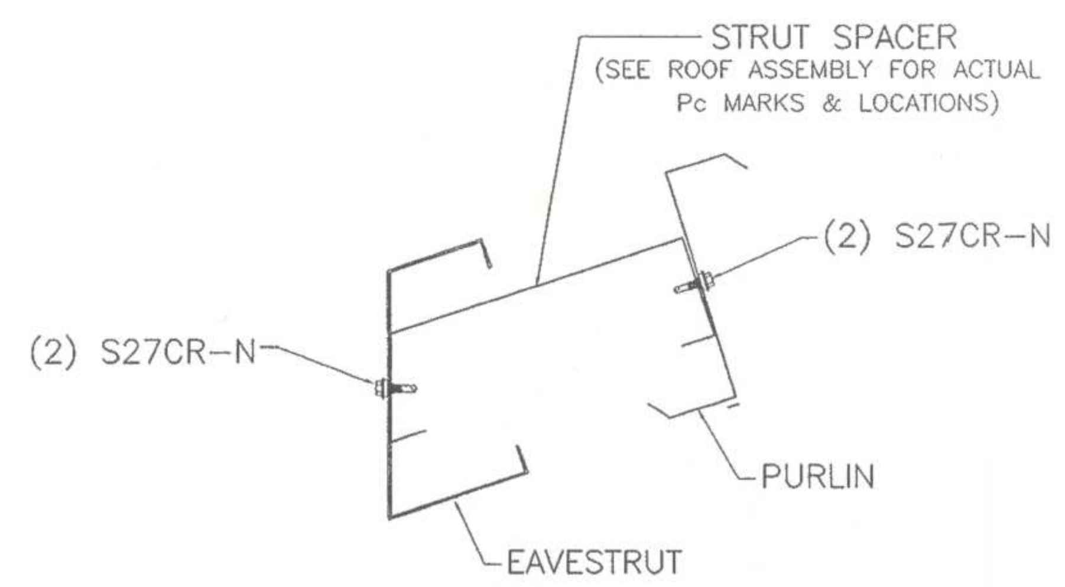
[Title NCI 07.17.2002] KEB: 10-04-05 1/12

N:\CADD\BLDGDWGS\22-3680\T3680.dwg, 10/28/2005 01:26:32 PM, YUP

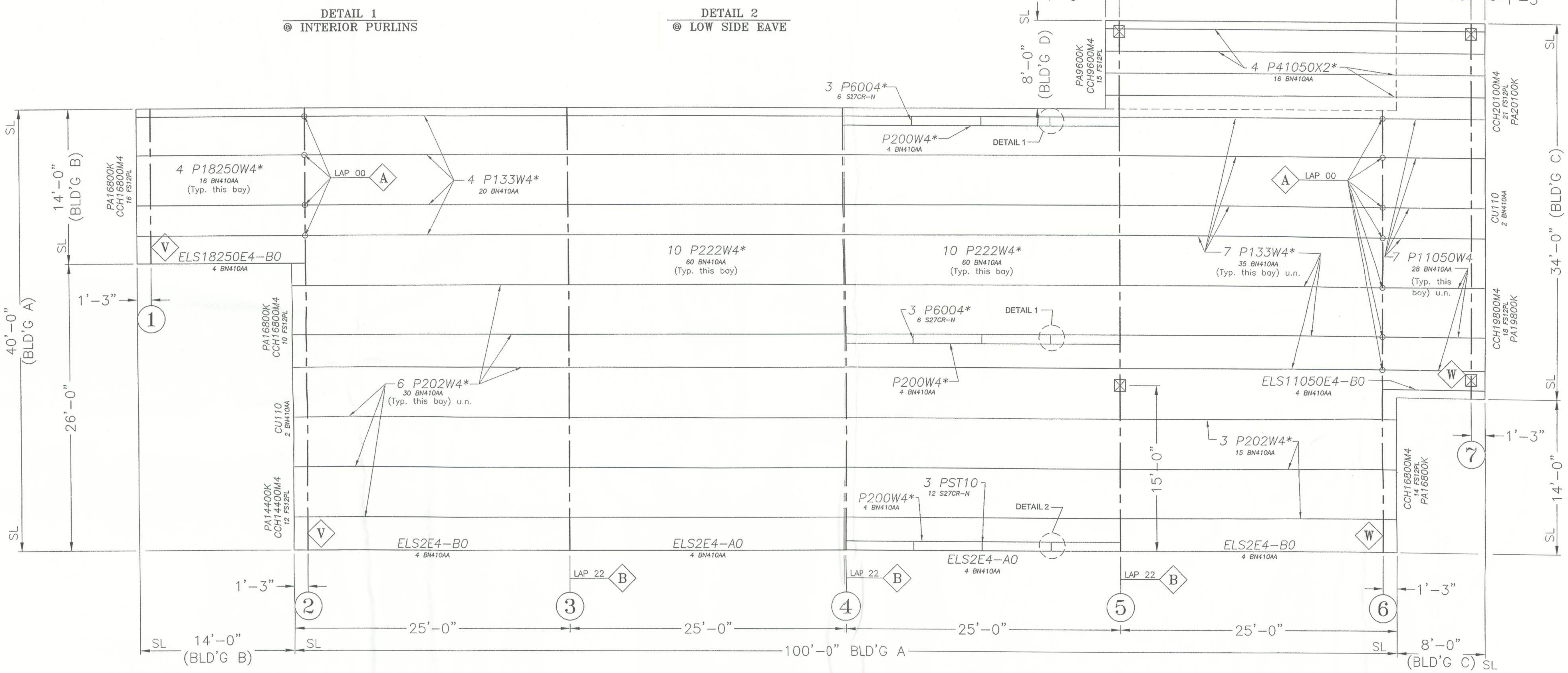
Gap: 10-11-05 15:41:33



DETAIL 1
@ INTERIOR PURLINS



DETAIL 2
@ LOW SIDE EAVE



ROOF FRAME ASS'Ys BLDG's A,B,C&D

BACK
LEFT RIGHT
FRONT

⊠ = 1400# POINT LOAD

NOTE: THIS IS FOR ALUMINUM STRUCTURE (BY BUYER). ACTUAL SUPPORT AND ATTACHMENT TO BUILDING IS NOT BY MESCO. BUYER IS RESPONSIBLE FOR ALL WEATHERTIGHTNESS WHERE STRUCTURE ATTACHES TO BUILDING.

DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05
1				
2				

MESCO Building Solutions
P.O. Box 93629, Southlake, TX. Zip 76092 817-488-8511

Sheet Description: ERECTION DRAWING
Operator: MAM
Date: 11-02-05
Buyer: Simque Construction
End Customer: Rimrock Development, Inc
Q Number: -
Order Number: 22-3680
Sheet Number: E1 of 14

Gap: 10-11-05 15:41:33

STEP 1 (EW TRANS.)
2 RSF1L
24 FS5PL
26 FS1ECZ
52 FS4CZ
3 PR13SS
312 ISL-B7

STEP 2
1200 ISL-B7
600 ISL-B7
50 CCP24AZI
100 FS1PL
17 FS14ASS
48 ISL-TWH

STEP 4
100 SL-M7
400 FS1ECZ

STEP 6
538 PCL6L
1076 FS1PL

STEP 9 (H.S. TRANS.)
36 BUP24
1080 ISL-B7

STEP 10
108 ISL-B7

STEP 12
72 CCP24AZO
576 FS1ECZ
1944 ISL-B7

STEP 13 (EW TRANS.)
1 RSF1L
12 FS5PL
14 FS1ECZ
28 FS4CZ
168 ISL-B7

STEP 14 (H.S. TRANS.)
144 ISL-TWH
864 ISL-B7
36 FS1ECZ
144 FS4CZ

BLD'G A
ULTRA DEK ROOF
(LOW FLOATING)
THERMAL BLOCKS (NONE)
3" INSULATION (NOT BY MESCO)

STEP 1 (EW TRANS.)
1 RSF1L
12 FS5PL
8 FS1ECZ
29 FS4CZ
178 ISL-B7
5 FS1ECZ

STEP 2
170 ISL-B7
84 ISL-B7
7 CCP24AZI
14 FS1PL
3 FS14ASS

STEP 4
14 SL-M7
56 FS1ECZ

STEP 6
28 PCL6L
56 FS1PL

STEP 9 (H.S. TRANS.)
7 BUP24
210 ISL-B7

STEP 10
21 ISL-B7

STEP 12
14 CCP24AZO
112 FS1ECZ
378 ISL-B7

STEP 14 (H.S. TRANS.)
28 ISL-TWH
168 ISL-B7
7 FS1ECZ
28 FS4CZ

BLD'G B
ULTRA DEK ROOF
(LOW FLOATING)
THERMAL BLOCKS (NONE)
3" INSULATION (NOT BY MESCO)

STEP 2
96 ISL-B7
48 ISL-B7
4 CCP24AZI
8 FS1PL

STEP 4
8 SL-M7
32 FS1ECZ

STEP 6
44 PCL6L
88 FS1PL

STEP 9 (H.S. TRANS.)
4 BUP24
120 ISL-B7

STEP 10
12 ISL-B7

STEP 12
8 CCP24AZO
64 FS1ECZ
216 ISL-B7

BLD'Gs C&D
STEP 13 (EW TRANS.)
2 RSF1L
24 FS5PL
17 FS1ECZ
68 FS4CZ
3 PR13SS
408 ISL-B7

STEP 14 (H.S. TRANS.)
16 ISL-TWH
96 ISL-B7
4 FS1ECZ
16 FS4CZ

BLD'G C
ULTRA DEK ROOF
(LOW FLOATING)
THERMAL BLOCKS (NONE)
3" INSULATION (NOT BY MESCO)

STEP 1 (EW TRANS.)
1 RSF1L
12 FS5PL
5 FS1ECZ
16 FS4CZ
96 ISL-B7
5 FS1ECZ

STEP 6
56 PCL6L
112 FS1PL

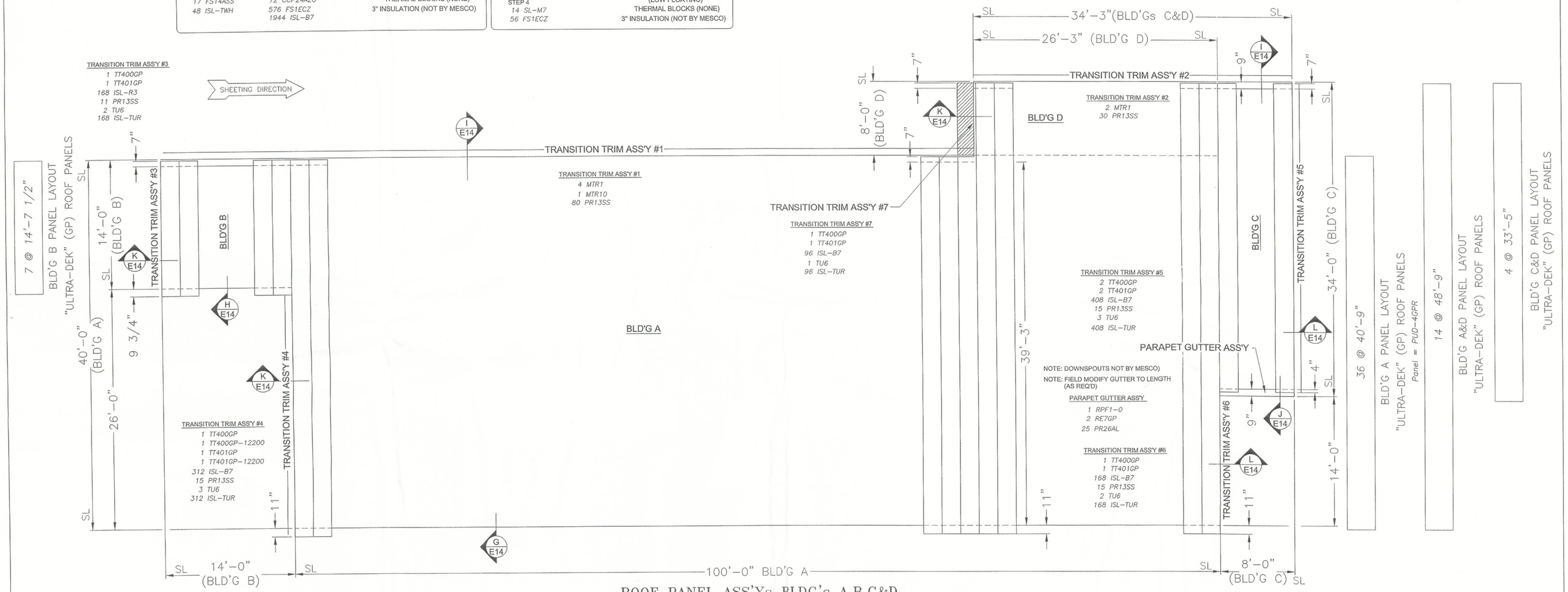
STEP 9 (H.S. TRANS.)
14 BUP24
420 ISL-B7

STEP 10
42 ISL-B7

STEP 12
28 CCP24AZO
224 FS1ECZ
756 ISL-B7

BLD'Gs C&D
STEP 14 (H.S. TRANSITION)
56 ISL-TWH
336 ISL-B7
14 FS1ECZ
56 FS4CZ

BLD'G D
ULTRA DEK ROOF
(LOW FLOATING)
THERMAL BLOCKS (NONE)
3" INSULATION (NOT BY MESCO)



ROOF PANEL ASS'Ys BLDG's A,B,C&D

NOTE: BLD'G A RIGHT EW OPEN TO BLD'G C FULL HEIGHT ; FULL WALL

NOTE: BLD'G B RIGHT EW OPEN TO BLD'G A FULL HEIGHT ; FULL WALL

NOTE: BLD'G C LEFT EW OPEN TO BLD'Gs A&D FULL HEIGHT ; FULL WALL

NOTE: BLD'G D FRONT SW OPEN TO BLD'G A FULL HEIGHT ; FULL WALL

NOTE: BLD'G D RIGHT EW OPEN TO BLD'G C FULL HEIGHT ; FULL WALL

NOTE:
REFER TO ULTRA-DEK SNAP SEAM ROOFING SYSTEM (TECHNICAL / ERECTION INFORMATION) FOR ULTRA-DEK PANEL INSTALLATION.
NOTE:
ROOF FASTENERS AND SEALANT ARE NOT SHOWN ON DETAILS FOR CLARITY. REFER TO ULTRA-DEK SNAP SEAM ROOFING SYSTEM (TECHNICAL / ERECTION INFORMATION) FOR FASTENER AND SEALANT INFORMATION AND LOCATIONS.
NOTE:
ROOF FASTENERS AND SEALANT SHALL BE INSTALLED IN ACCORDANCE WITH THE ULTRA-DEK SNAP SEAM ROOFING SYSTEM (TECHNICAL / ERECTION INFORMATION)

BACK
LEFT RIGHT
FRONT

DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

HARLEY DAVIDSON LICENSE No. 28325 STATE OF FLORIDA PROFESSIONAL ENGINEER

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

MESCO Building Solutions
P.O. Box 93429, Southlake,TX. Zip 76092 817-488-8511

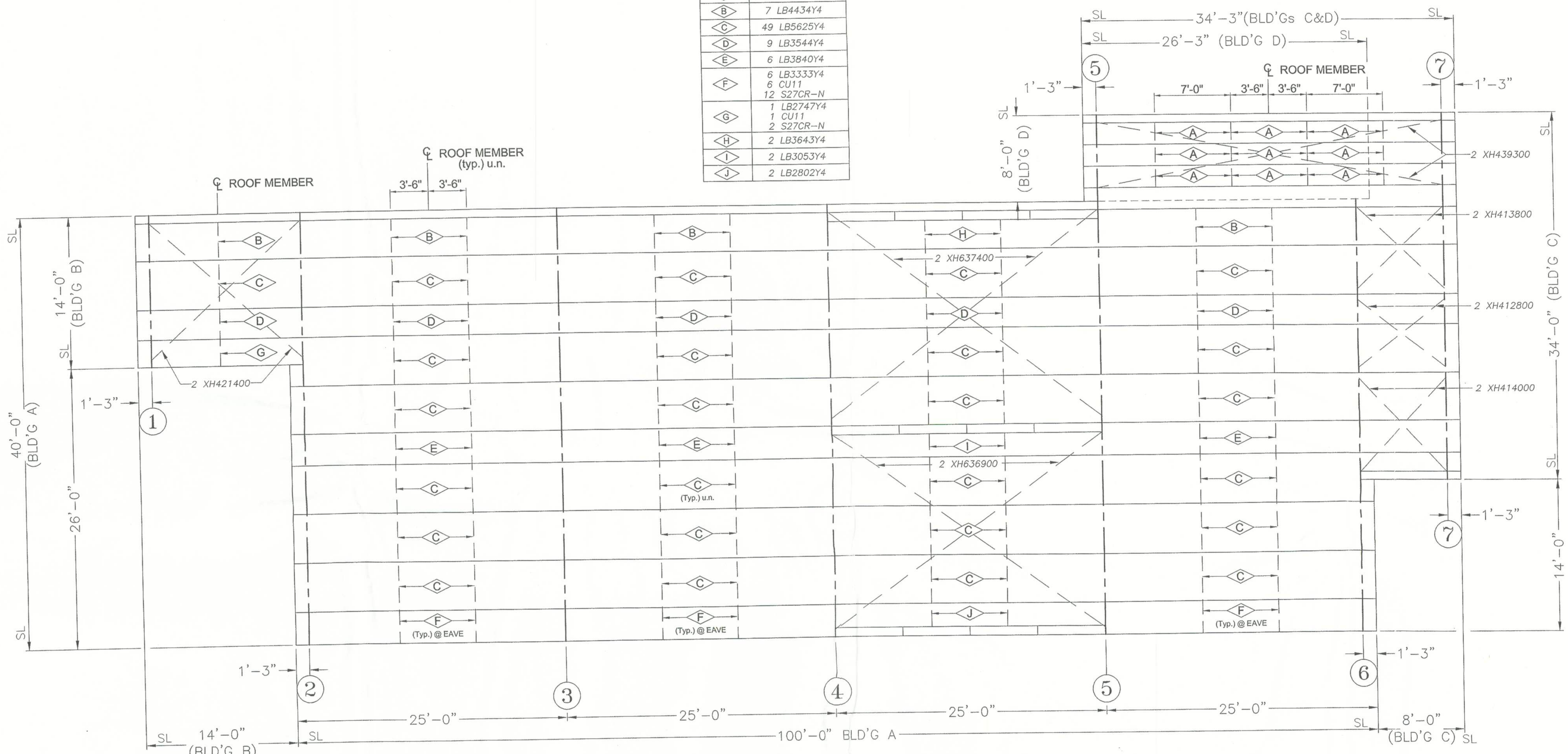
Sheet Description: ERECTION DRAWING	Buyer: Simque Construction	Q Number: -	Order Number: 22-3680
Operator: MAM	Date: 11-02-05	End Customer: Rimrock Development, Inc	Sheet Number: E2 of 14

MBMR METAL BUILDING MANUFACTURERS ASSOCIATION

Gap: 10-11-05 15:41:33

NOTE:
CARE MUST BE USED TO INSURE THAT BRIDGING SLOTS LINE UP IN PURLINS

BRIDGING ANGLE SCHEDULE	
SEE REF.DWG. RB0102-0	
LOCATION	PARTS
A	12 LB2663Y4
B	7 LB4434Y4
C	49 LB5625Y4
D	9 LB3544Y4
E	6 LB3840Y4
F	6 LB3333Y4 6 CU11 12 S27CR-N
G	1 LB2747Y4 1 CU11 2 S27CR-N
H	2 LB3643Y4
I	2 LB3053Y4
J	2 LB2802Y4



ROOF BRACING ASS'Ys BLDG's A,B,C&D

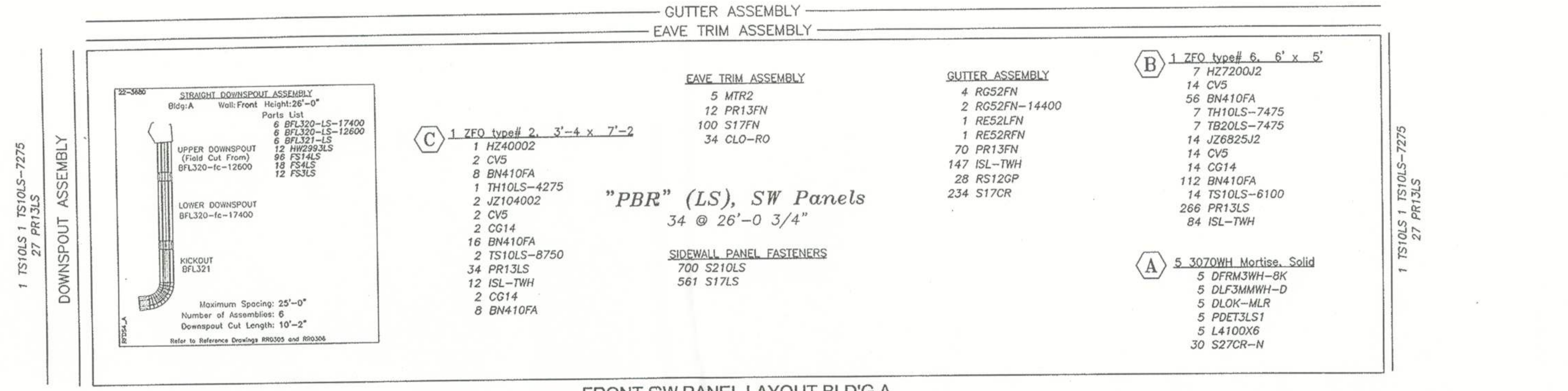
DESIGN CRITERIA	
Building Code	FLORIDA 2001
Live Load	12/20 psf
Wind Velocity	100 mph

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

MESCO Building Solutions

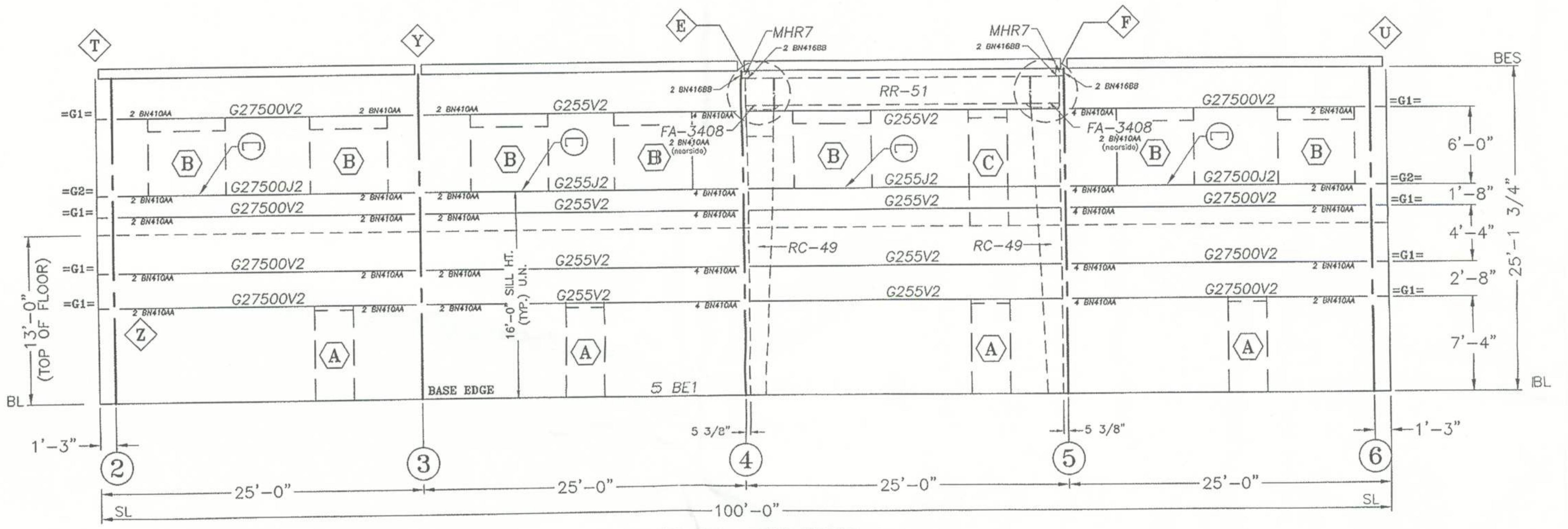
Sheet Description		Buyer	Q Number	Order Number
ERECTION DRAWING		Simque Construction	-	22-3680
Operator	Date	End Customer		Sheet Number
MAM	11-02-05	Rimrock Development, Inc		E3 of 14

Gap: 10-11-05 15:41:33



FRONT SW PANEL LAYOUT BLD'G A

Panel = PBR-6LSS



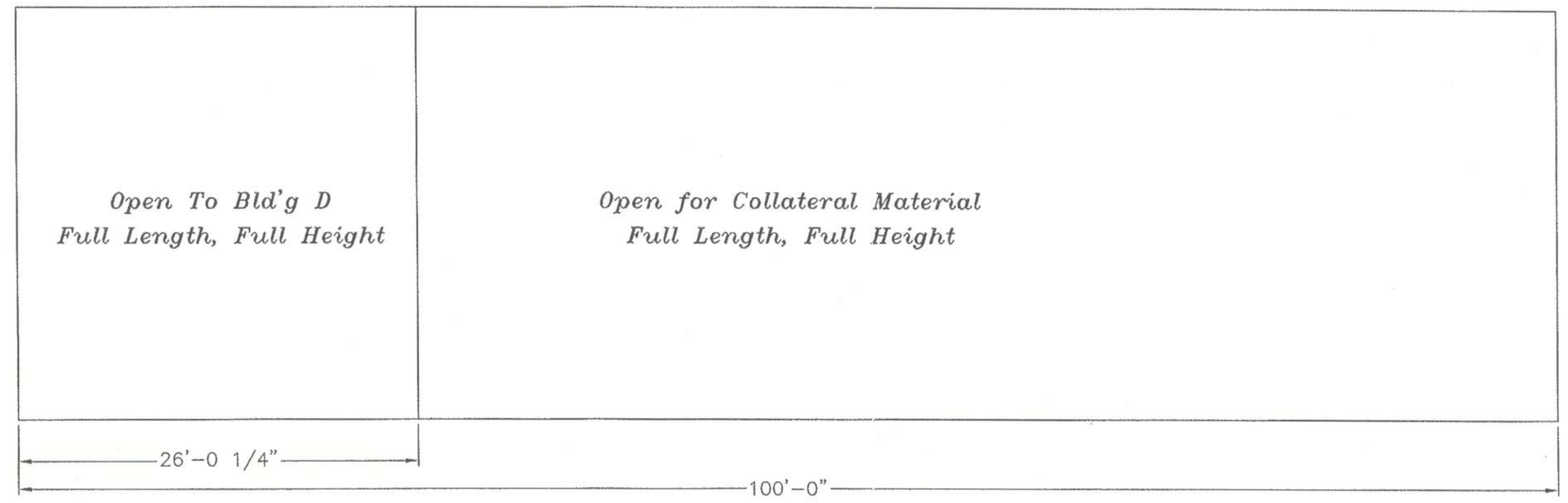
FRONT SW ASS'Y BLD'G A

GHOLES=85.75,117.75,169.75,193.75,261.75

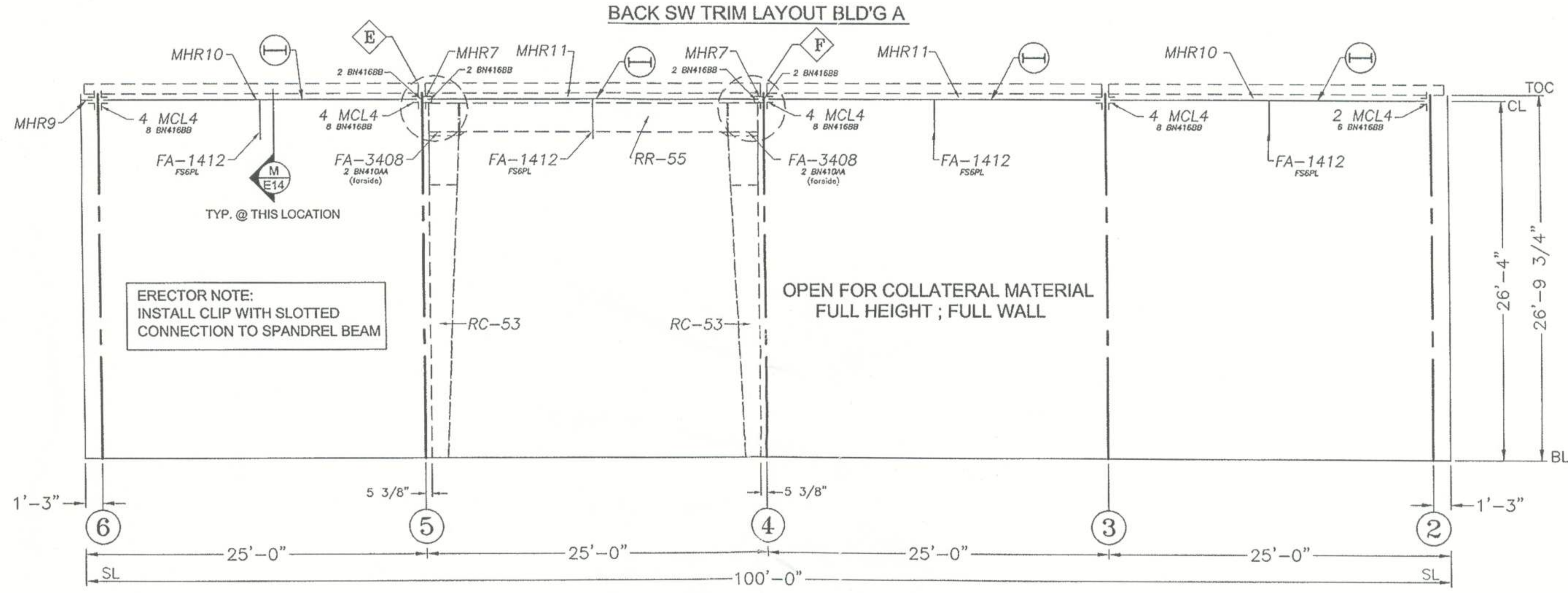
8 GIRT ASSEMBLY =G1=
8 G975V6-B
16 BN410AA

2 GIRT ASSEMBLY =G2=
2 G975J6-B
4 BN410AA

Gap: 10-11-05 15:41:33



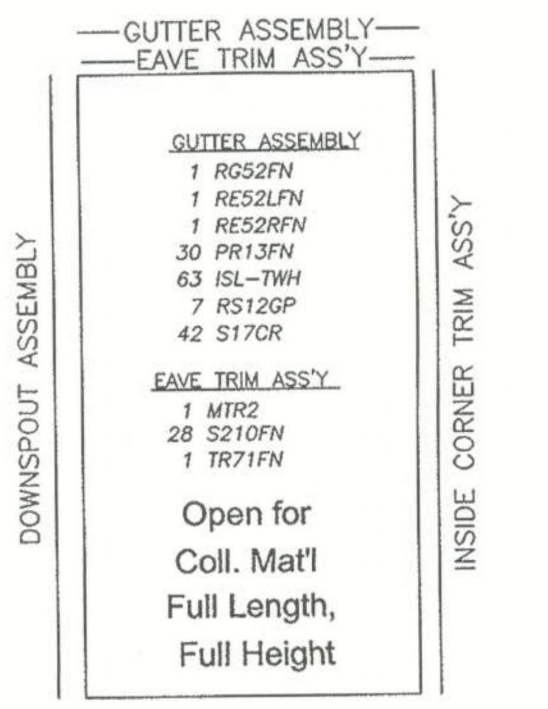
BACK SW TRIM LAYOUT BLD'G A



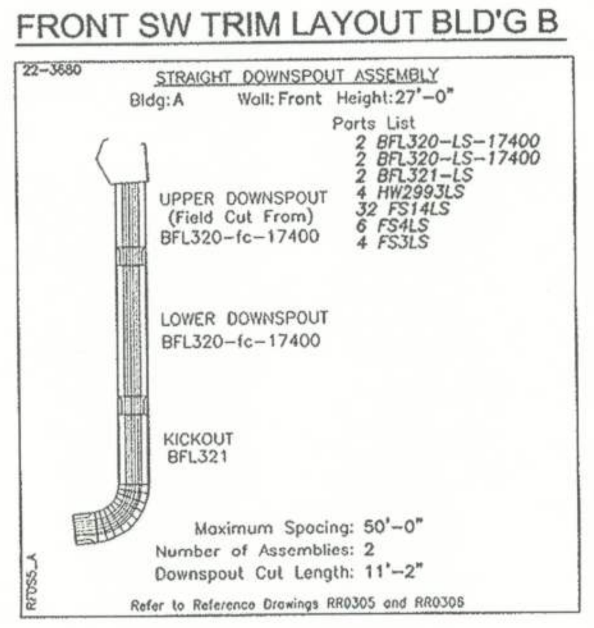
BACK SW ASS'Y BLD'G A

TOC= TOP OF COLUMN

Gap: 10-11-05 15:41:33



FRONT SW TRIM LAYOUT BLD'G B



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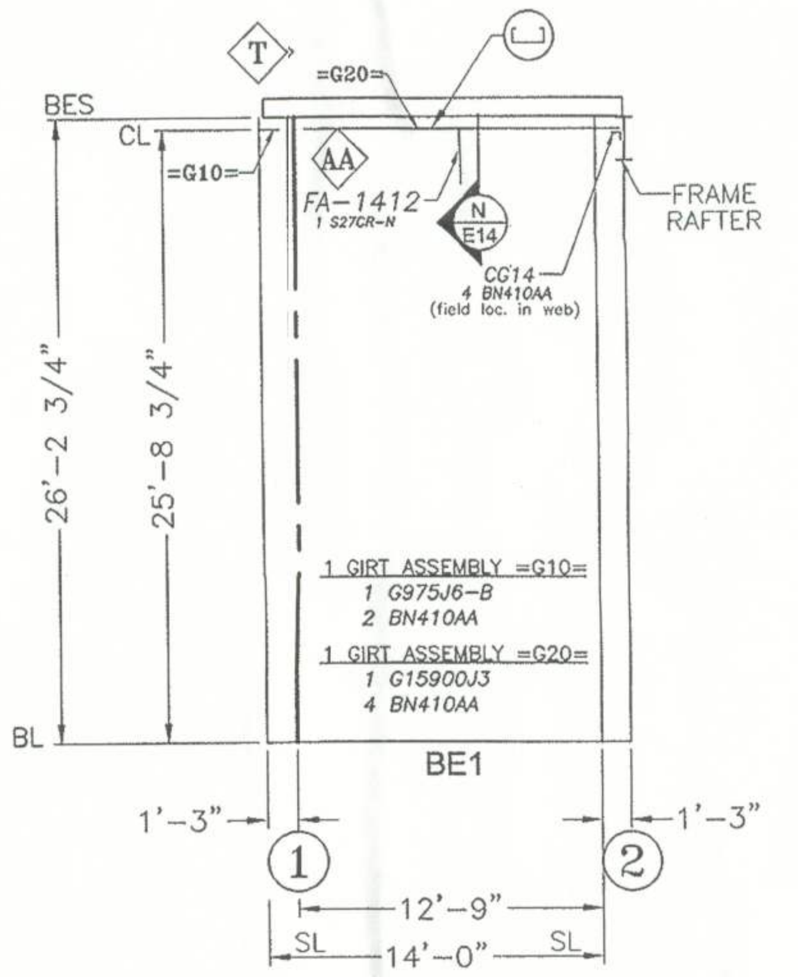
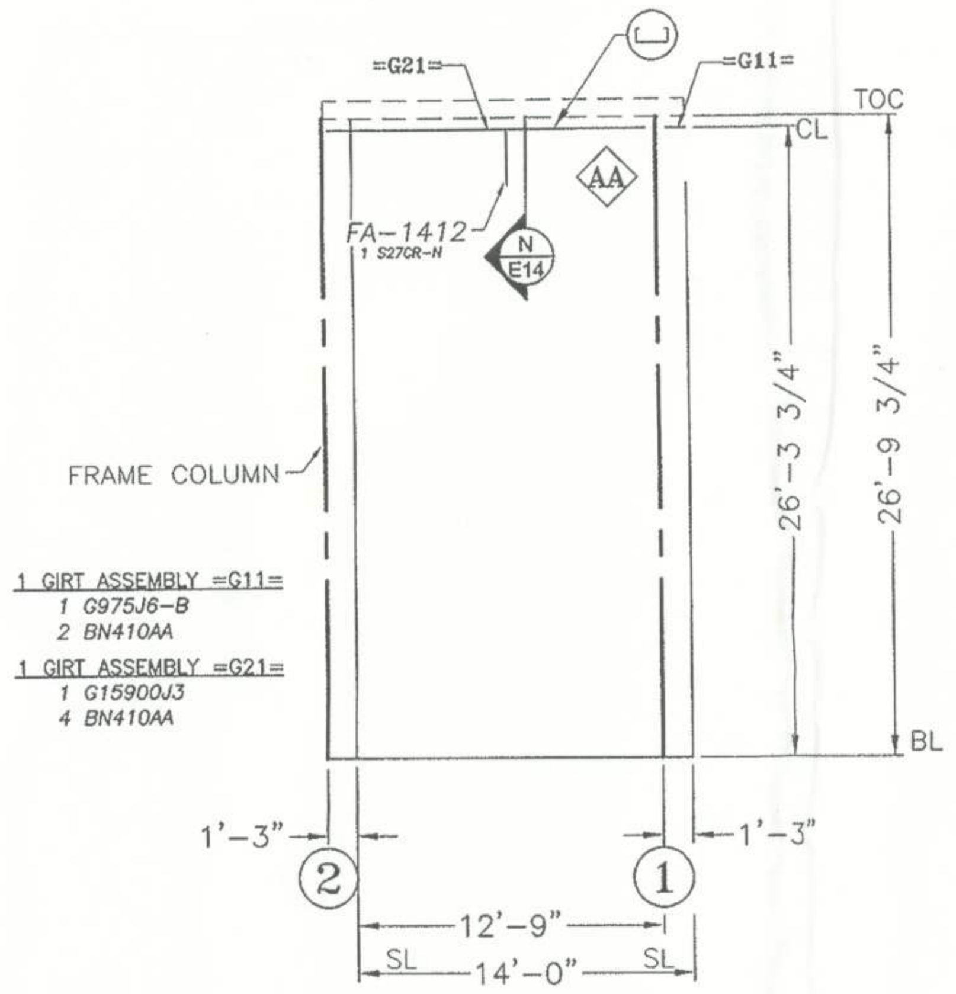


FRONT SW ASS'Y BLD'G B

NOTE: BLD'G B FRONT SW
OPEN FOR COLLATERAL MATERIAL
FULL HEIGHT ; FULL WALL

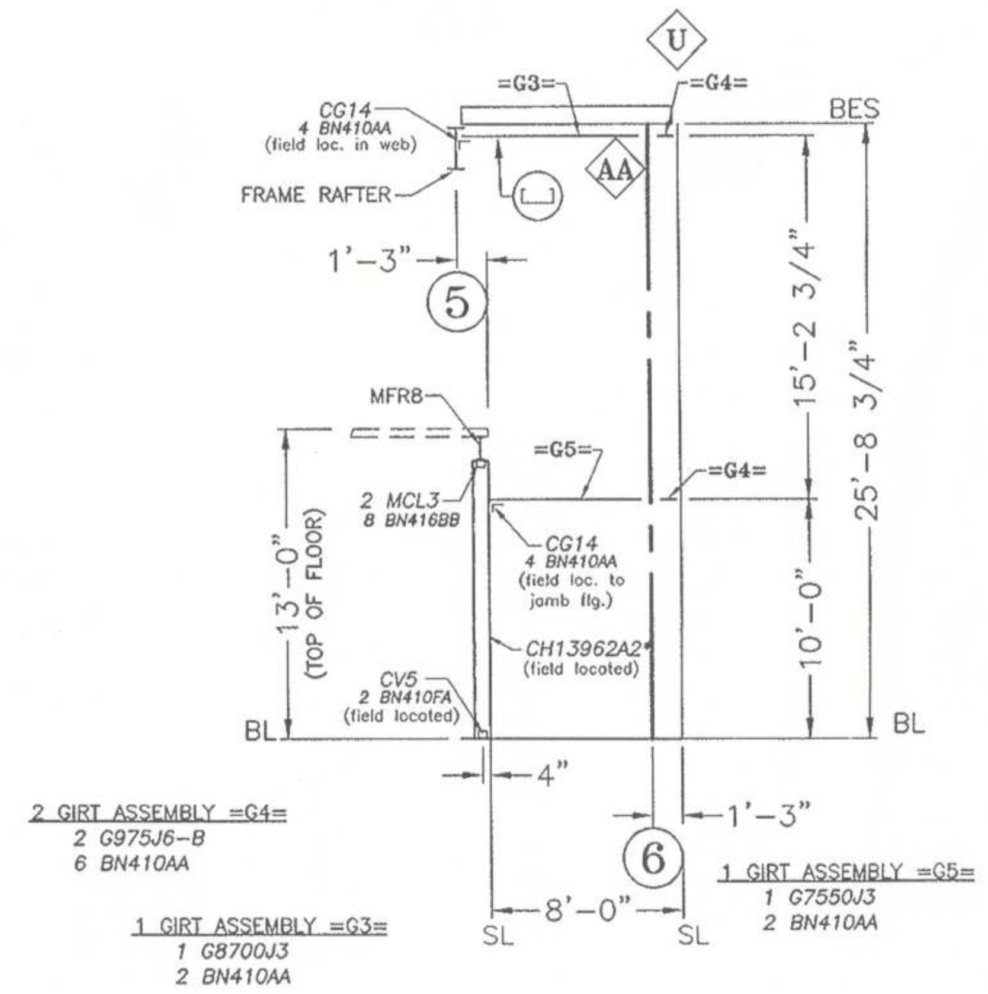


BACK SW ASS'Y BLD'G B

TOC= TOP OF COLUMN

NOTE: BLD'G B BACK SW
OPEN FOR COLLATERAL MATERIAL
FULL HEIGHT ; FULL WALL

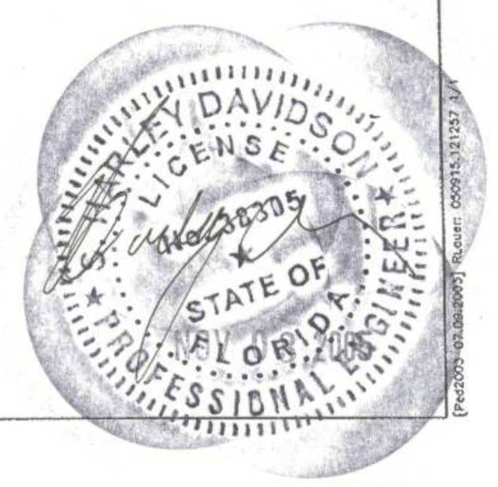
Gap: 10-11-05 15:41:33



FRONT SW ASS'Y BLD'G C

NOTE: BLD'G C FRONT SW
OPEN FOR COLLATERAL MATERIAL
FULL HEIGHT ; FULL WALL

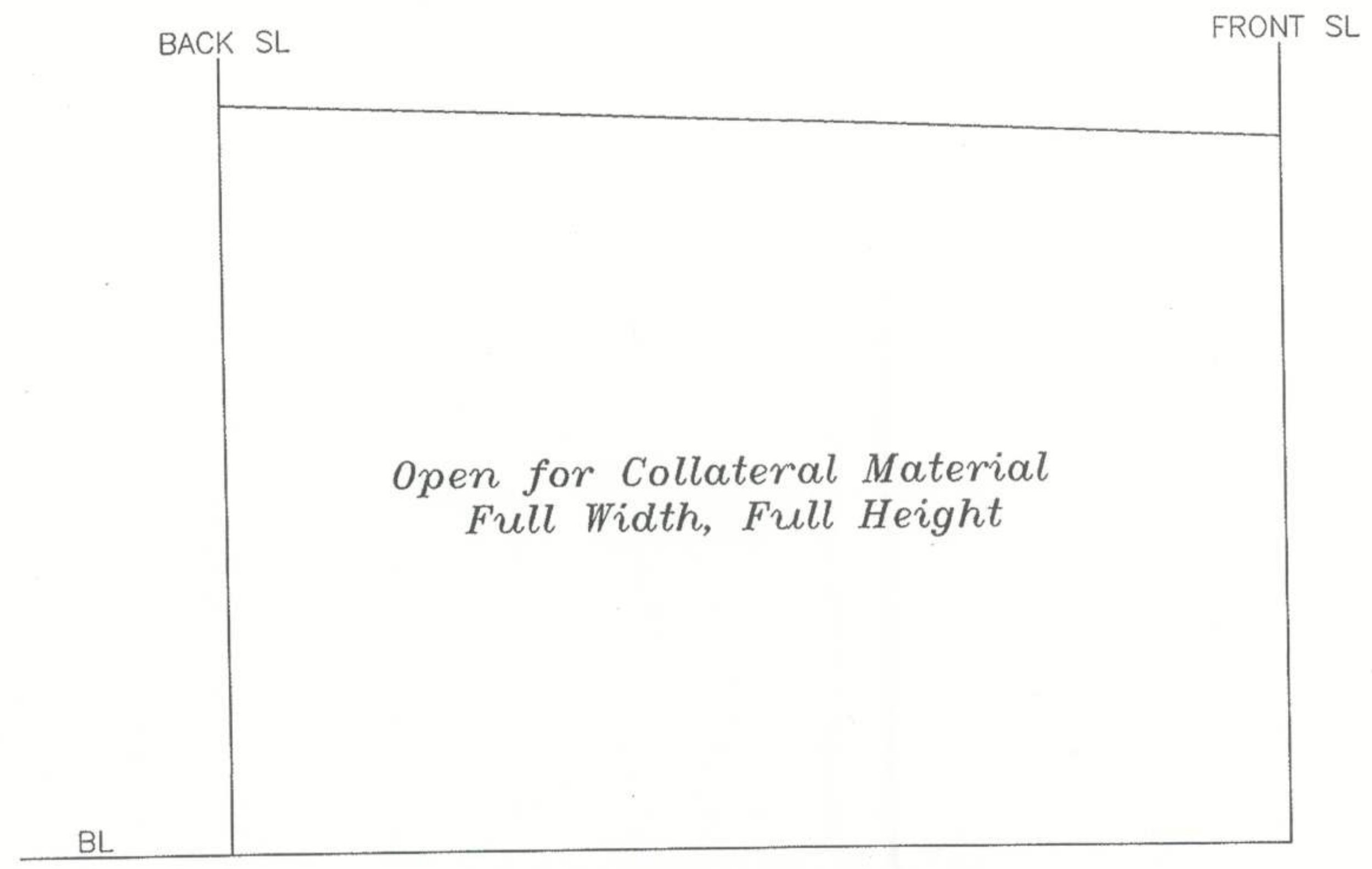
DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph



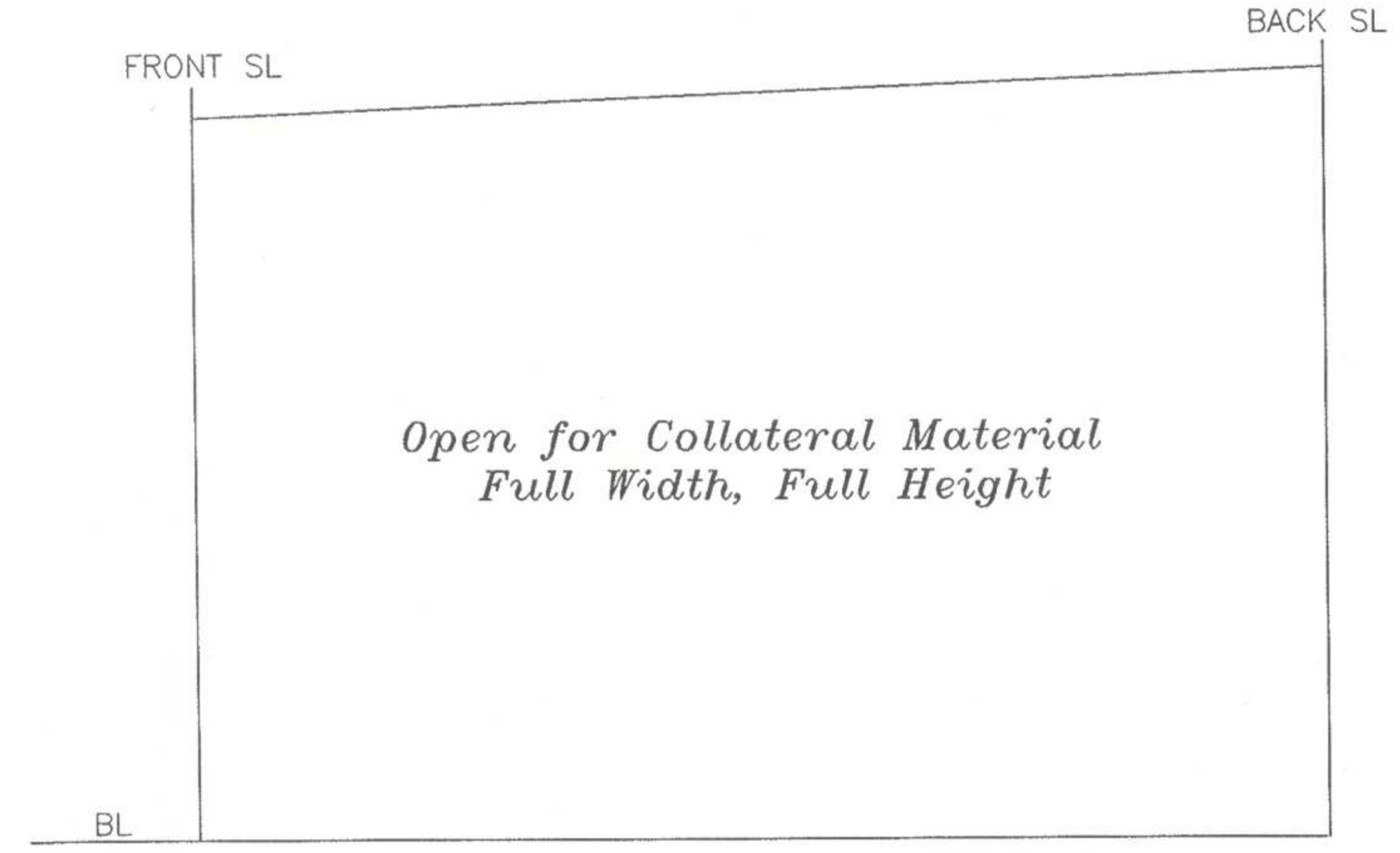
Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05
1				
2				

Sheet Description: ERECTION DRAWING	Buyer: Simque Construction	Q Number: -	Order Number: 22-3680	
Operator: MAM	Date: 11-02-05	End Customer: Rimrock Development, Inc		Sheet Number: E4 of 14

Gap: 10-11-05 15:41:33

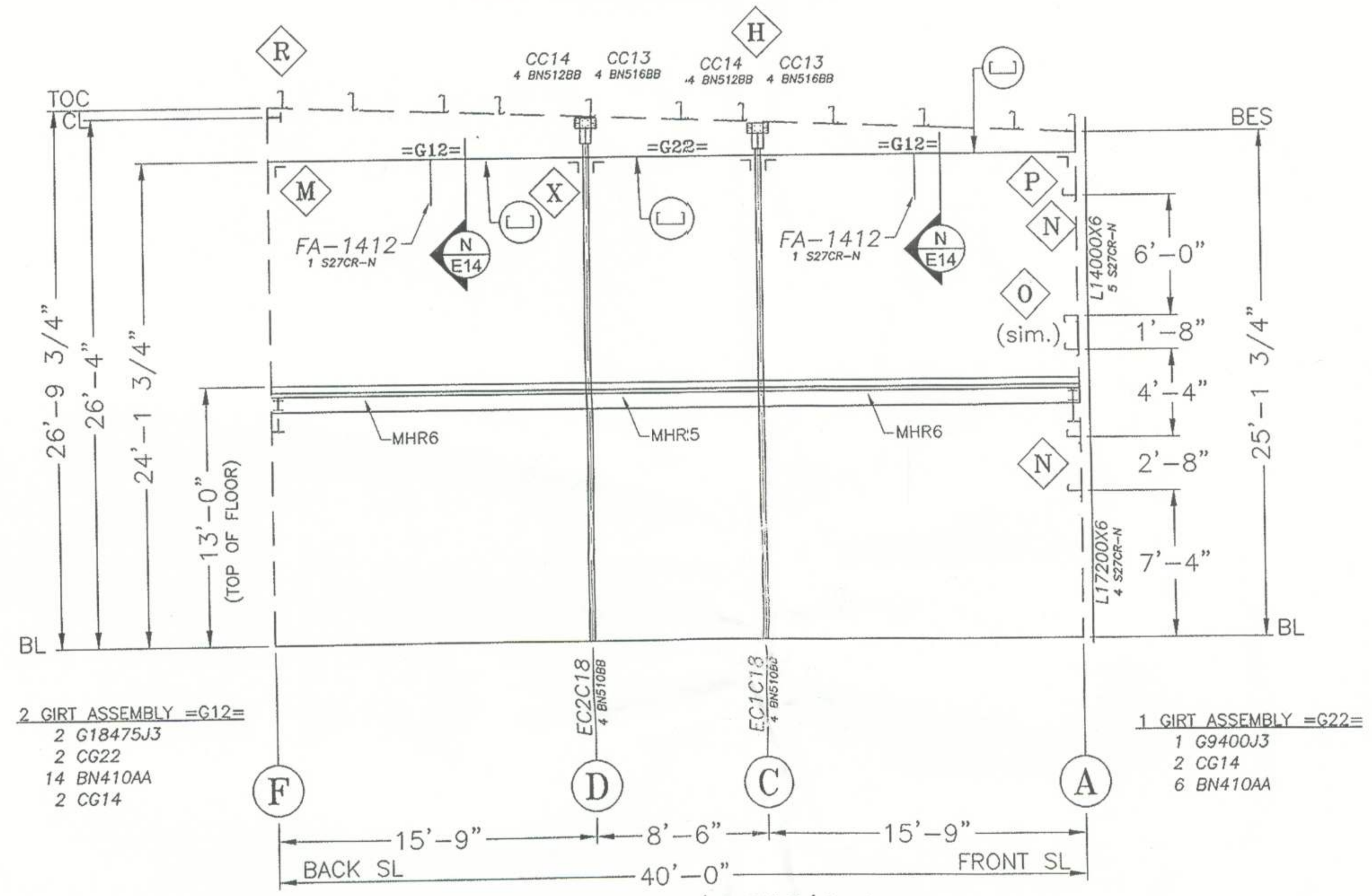


LEFT EW TRIM LAYOUT BLD'G A

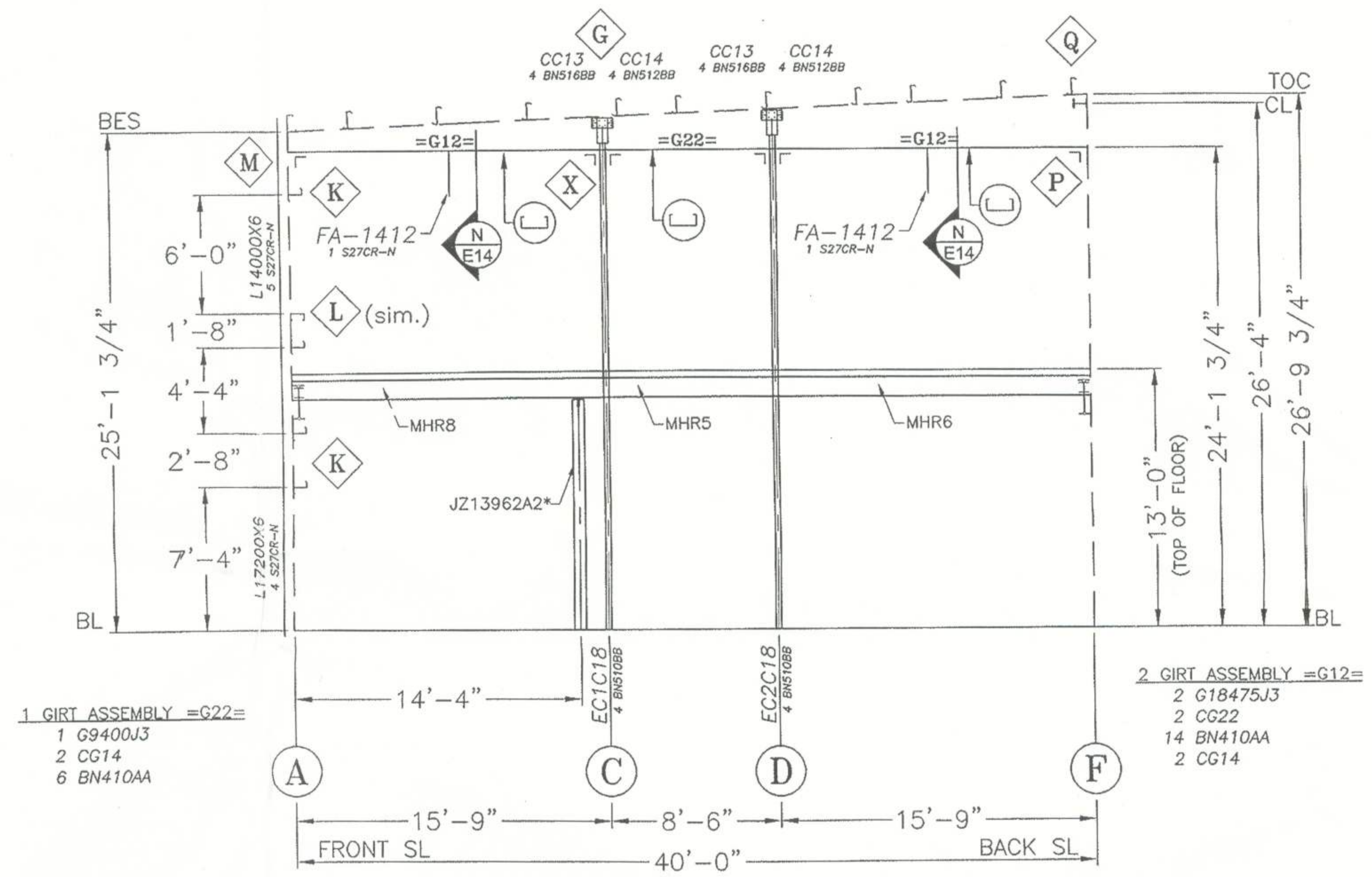


RIGHT ENDWALL TRIM LAYOUT

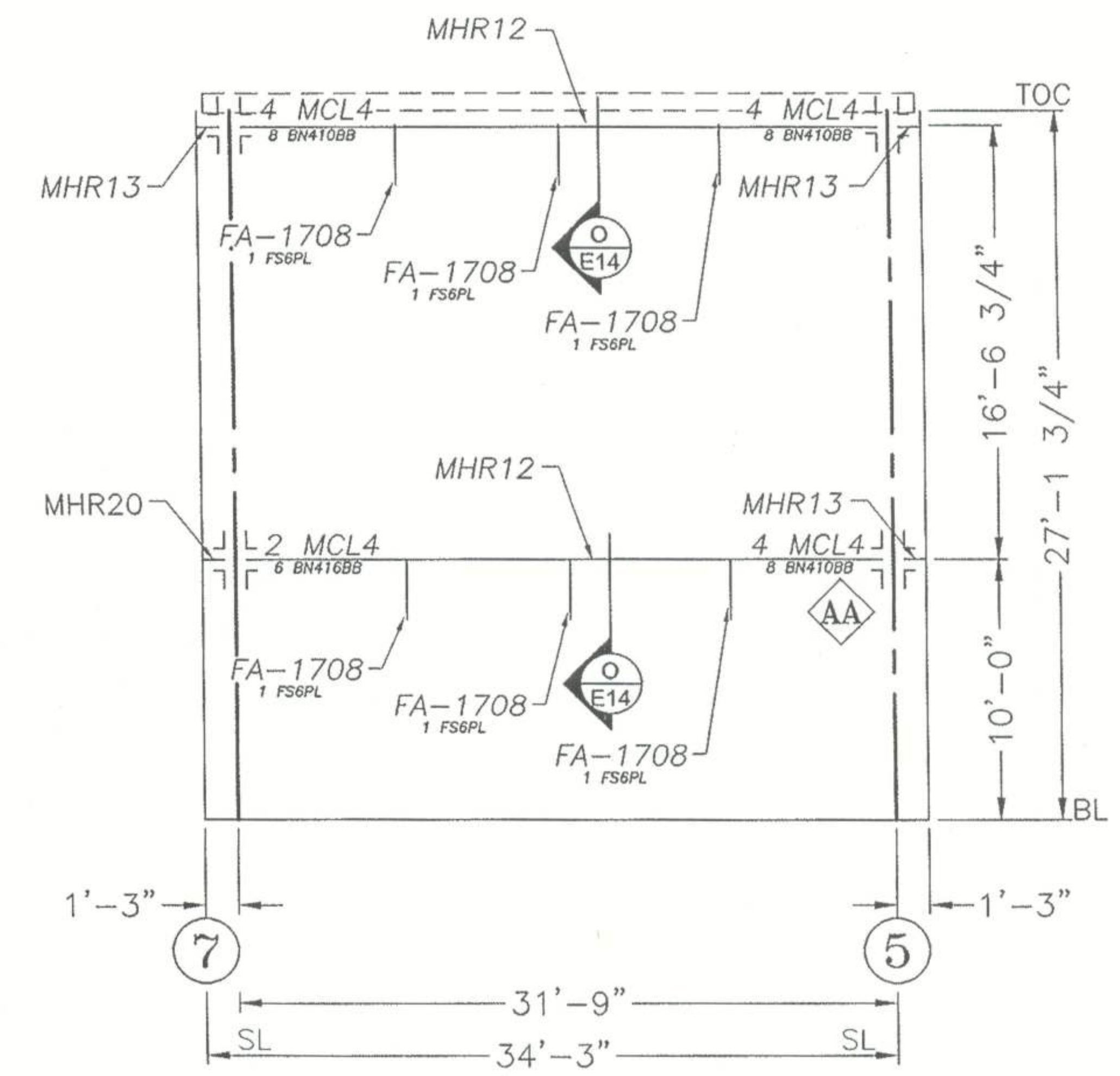
ERECTOR NOTE:
INSTALL CLIP WITH SLOTTED
CONNECTION TO SPANDREL BEAM



LEFT EW ASS'Y BLD'G A
TOC= TOP OF COLUMN

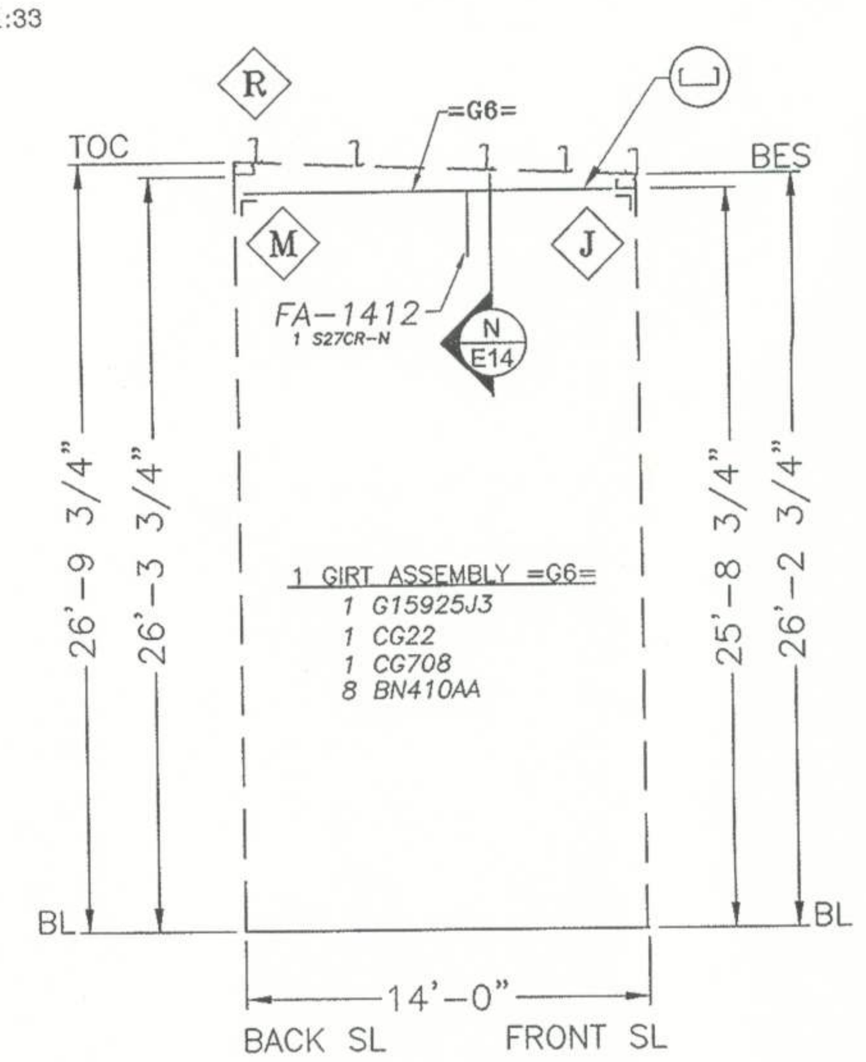


RIGHT EW ASS'Y BLD'G A
TOC= TOP OF COLUMN



BACK SW ASS'Y BLD'G D
TOC= TOP OF COLUMN

Gap: 10-11-05 15:41:33

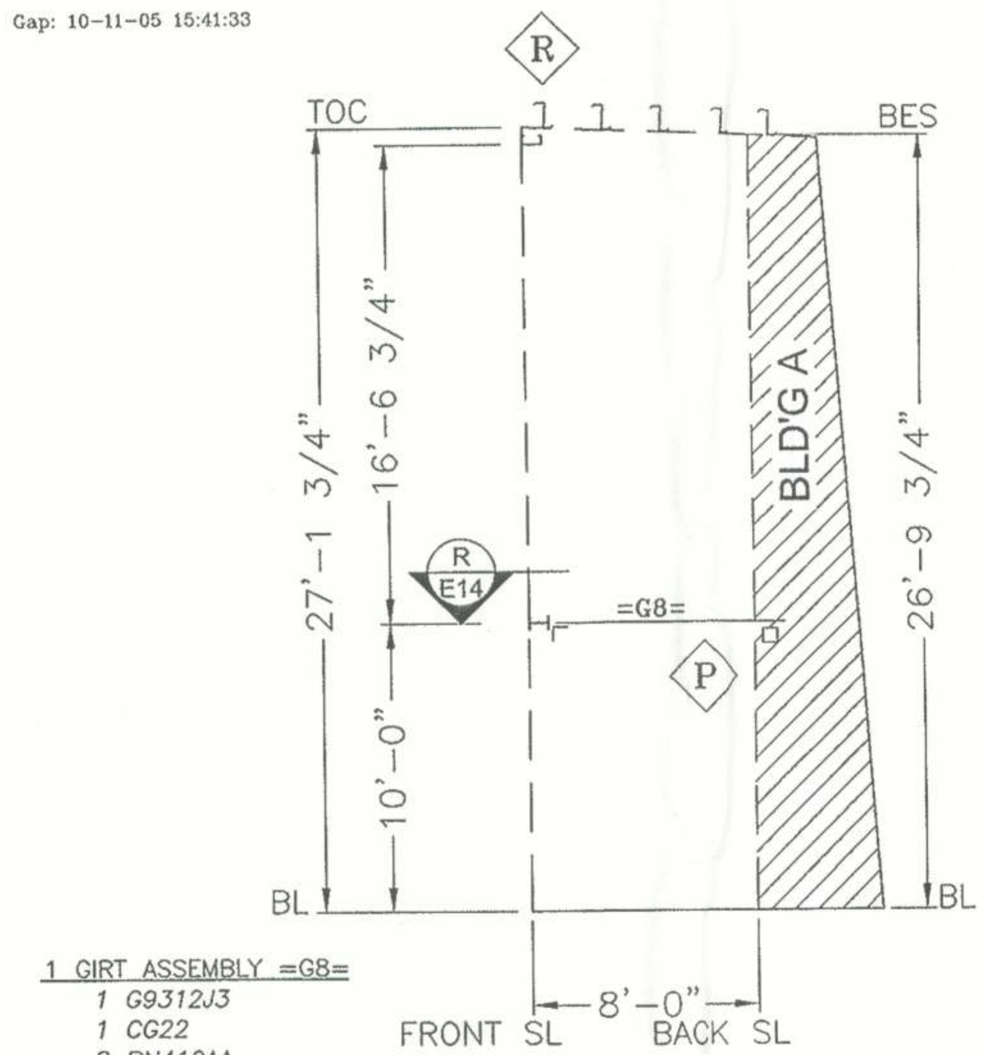


LEFT EW ASS'Y BLD'G B
TOC= TOP OF COLUMN

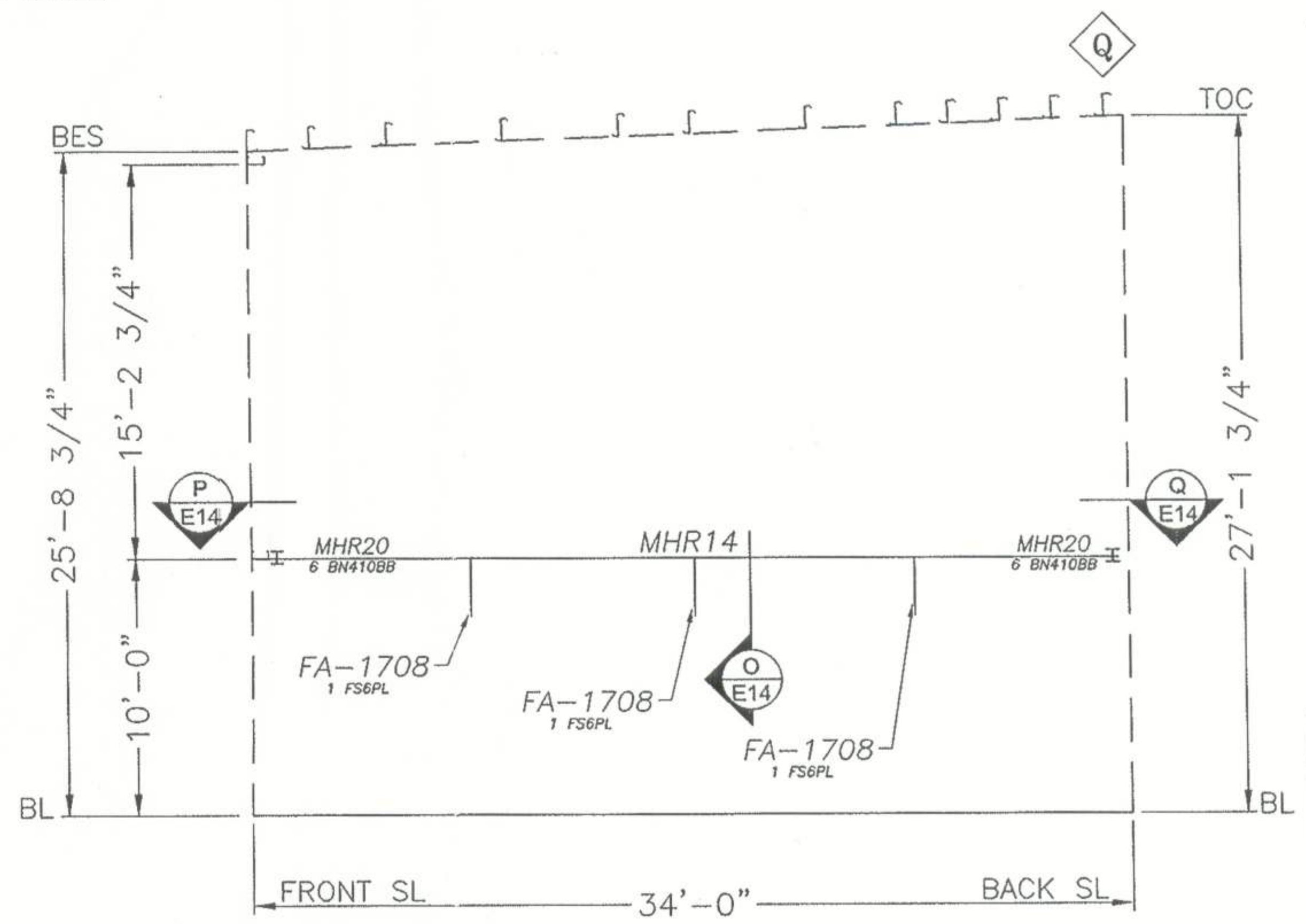
PRIMARY FRAMING BOLT/NUT ASSEMBLY
Assembly No. BN510BB
Use "Snug Tight" Installation Method
Part No. B510B — Part No. N5B
5/8" Dia. x 1 1/4" A325 Hex Head Bolt — 5/8" Dia. A563 Hex Nut

PRIMARY FRAMING BOLT/NUT ASSEMBLY
Assembly No. BN516BB
Use "Snug Tight" Installation Method
Part No. B516B — Part No. N5B
5/8" Dia. x 2" A325 Hex Head Bolt — 5/8" Dia. A563 Hex Nut

PRIMARY FRAMING BOLT/NUT ASSEMBLY
Assembly No. BN512BB
Use "Snug Tight" Installation Method
Part No. B512B — Part No. N5B
5/8" Dia. x 1 1/2" A325 Hex Head Bolt — 5/8" Dia. A563 Hex Nut

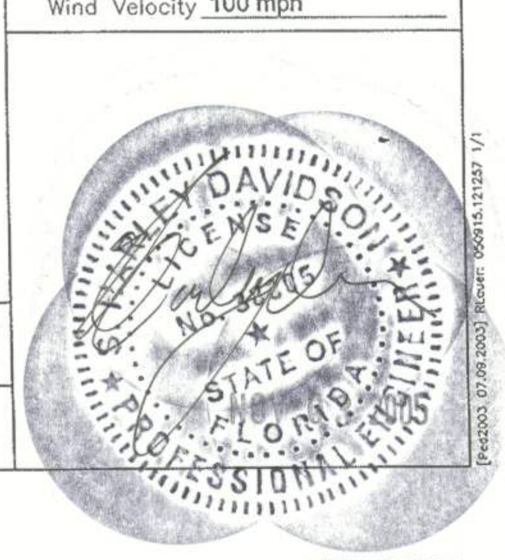


LEFT EW ASS'Y BLD'G D
TOC= TOP OF COLUMN



RIGHT EW ASS'Y BLD'G C
TOC= TOP OF COLUMN

DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

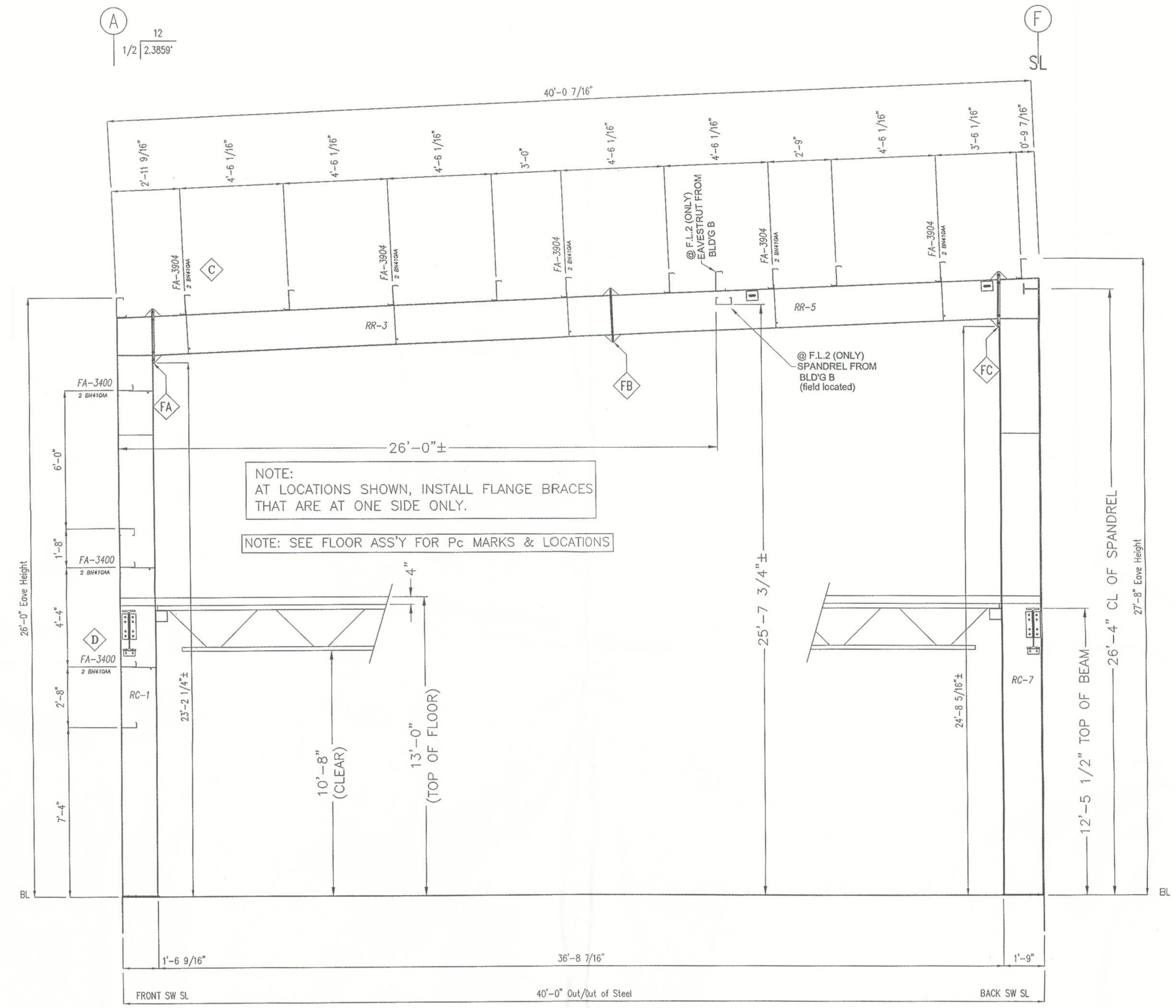


Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

AESCO Building Solutions

Sheet Description	Buyer	Q Number	Order Number
ERECTION DRAWING	Simque Construction	-	22-3680
Operator: MAM / Date: 11-02-05	End Customer: Rimrock Development, Inc	MBMA	Sheet Number: E5 of 14

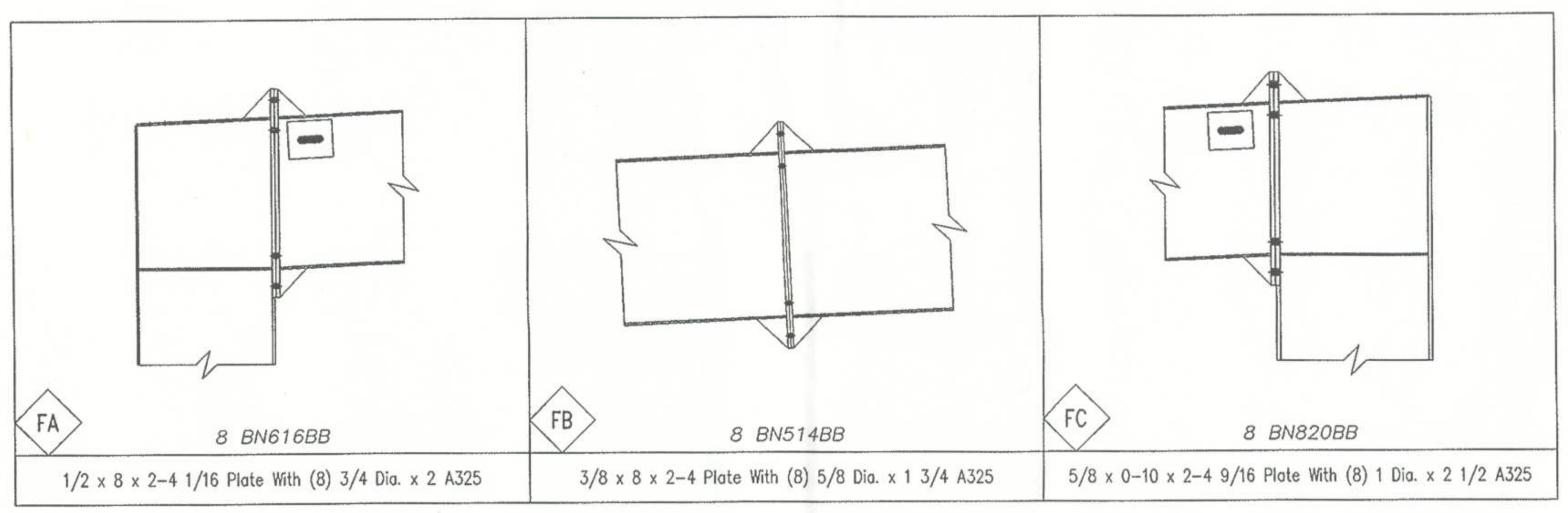
Gap: 10-11-05 15:41:33



Frame Line: 2 & 3

BLD'G A

AssyQty = 2



DESIGN CRITERIA

Building Code FLORIDA 2001

Live Load 12/20 psf

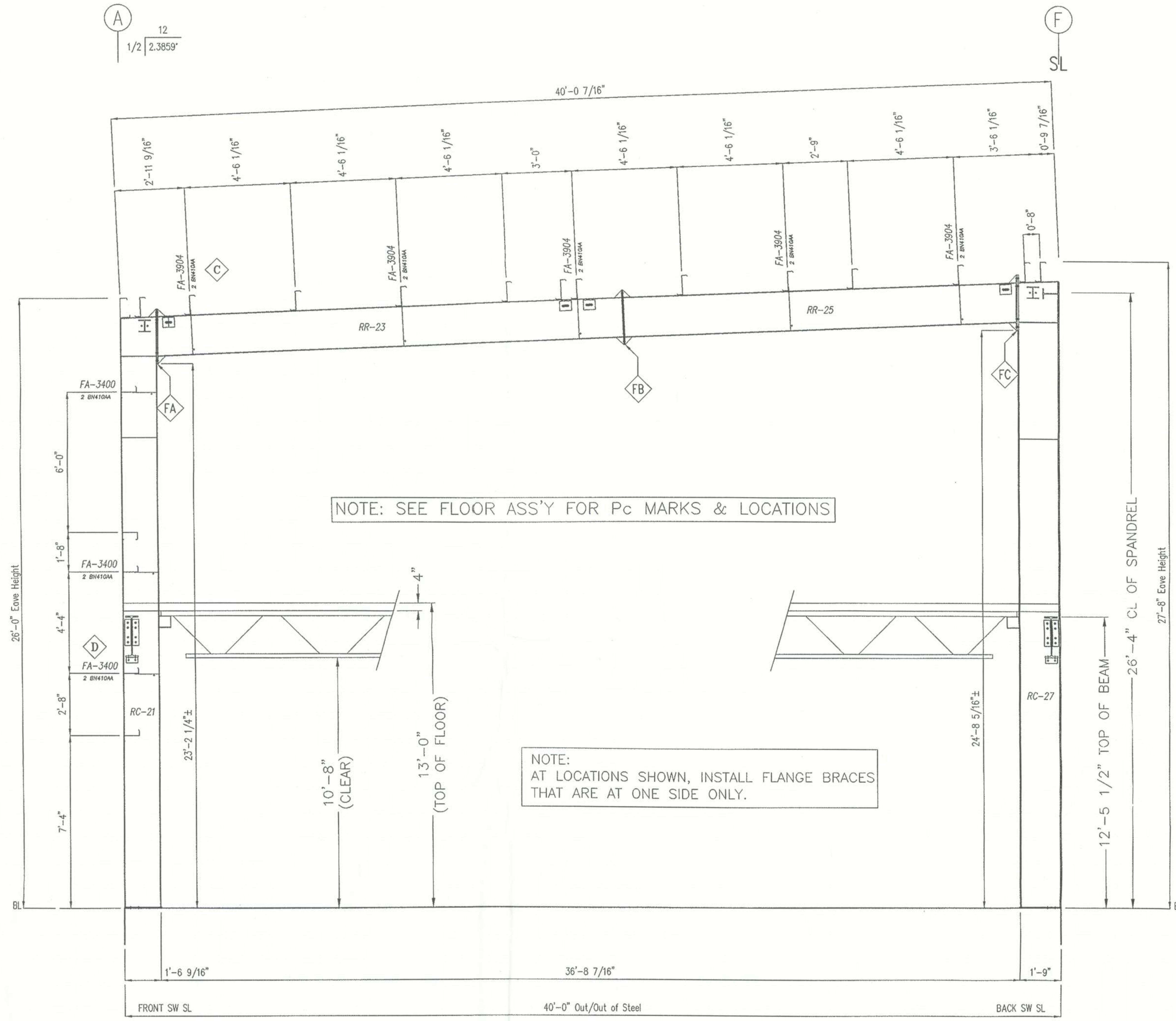
Wind Velocity 100 mph

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

MESCO Building Solutions P.O. Box 93628, Southlake, TX. Zip 76092 817-488-8511

Sheet Description: ERECTION DRAWING		Buyer: Simque Construction	Q Number: -	Order Number: 22-3680
Operator: MAM	Date: 11-02-05	End Customer: Rimrock Development, Inc	MBMA	Sheet Number: E6 of 14

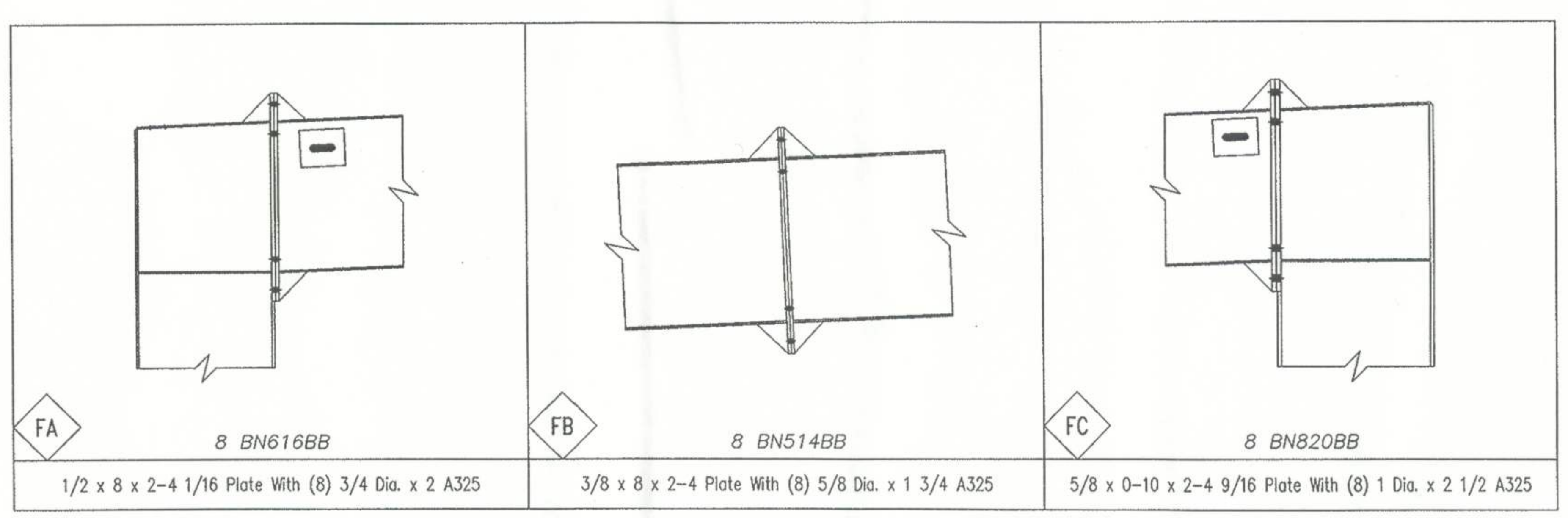
Gap: 10-11-05 15:41:33



Frame Line: 4

BLD'G A

AssyQty = 1



DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

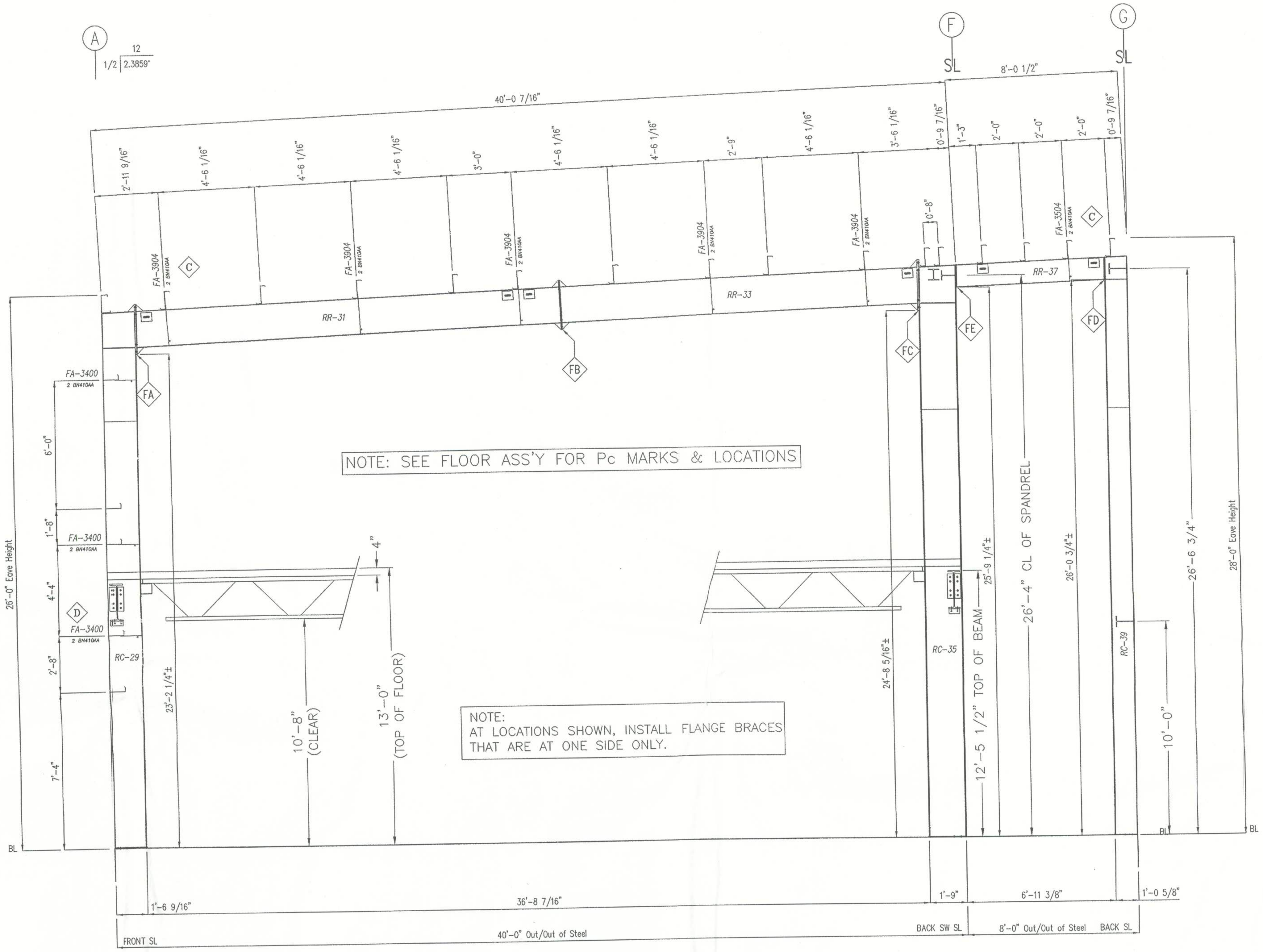
MESCO Building Solutions
P.O. Box 93629, Southlake, TX. Zip 76092 817-488-8511

Sheet Description		Buyer	Q Number	Order Number
ERECTION DRAWING		Simque Construction	-	22-3680
Operator: MAM	Date: 11-02-05	End Customer: Rimrock Development, Inc	MBMA	Sheet Number: E7 of 14

HARLEY DAVIDSON LICENSE No. 52305 STATE OF FLORIDA PROFESSIONAL ENGINEER 2005

[Fed2003 07.09.2003] RLover: 050915.121257 1/1

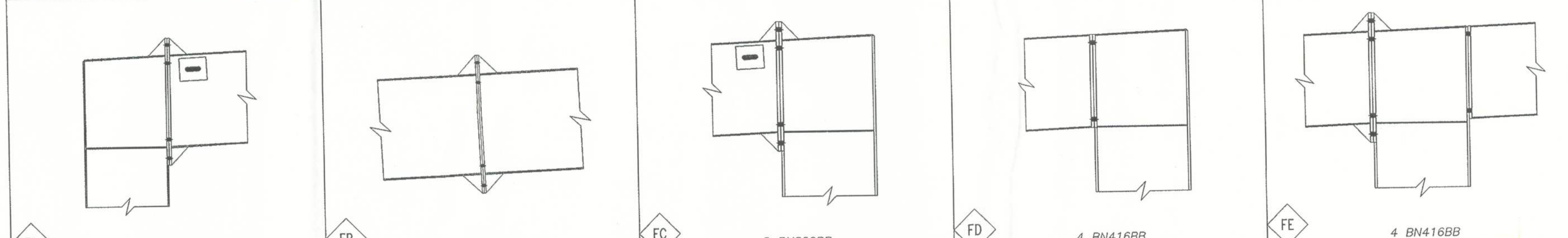
Gap: 10-11-05 15:41:33



Frame Line: 5

BLD'G A

AssyQty = 1



FA — 8 BN616BB	FB — 8 BN514BB	FC — 8 BN820BB	FD — 4 BN416BB	FE — 4 BN416BB
1/2 x 8 x 2-4 1/16 Plate With (8) 3/4 Dia. x 2 A325	3/8 x 8 x 2-4 Plate With (8) 5/8 Dia. x 1 3/4 A325	5/8 x 0-10 x 2-4 9/16 Plate With (8) 1 Dia. x 2 1/2 A325	3/8 x 0-8 x 1-0 1/2 Plate With (4) 1/2 Dia. x 2 A325	3/8 x 0-8 x 1-0 1/2 Plate With (4) 1/2 Dia. x 2 A325

DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

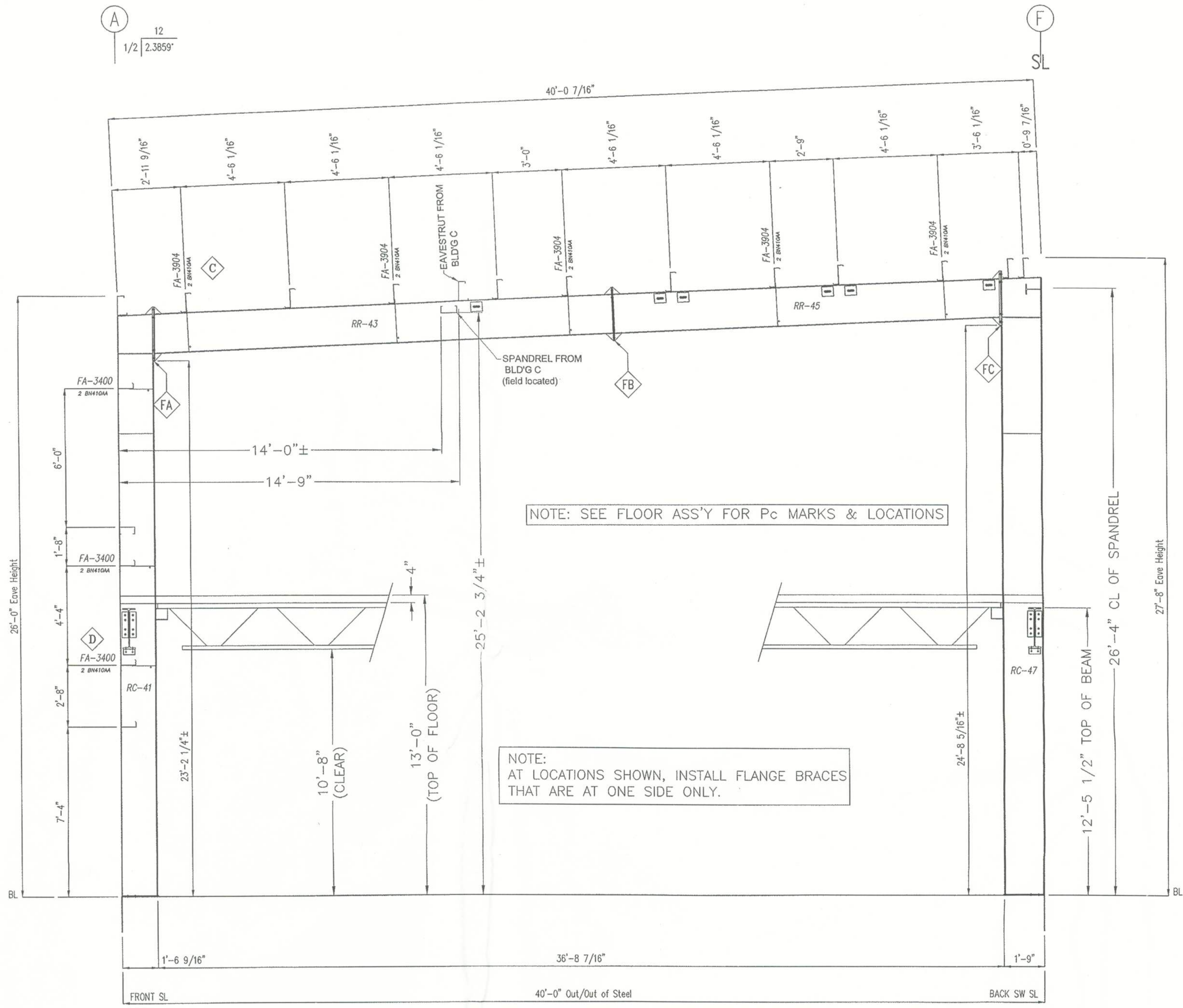
Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

MESCO Building Solutions, P.O. Box 93629, Southlake, TX. Zip 76092 817-488-8511

Sheet Description: ERECTION DRAWING		Buyer: Simque Construction	Q Number: -	Order Number: 22-3680
Operator: MAM	Date: 11-02-05	End Customer: Rimrock Development, Inc	MBMA	Sheet Number: E8 of 14

HARLEY DAVIDSON LICENSE No. ★ STATE OF FLORIDA PROFESSIONAL ENGINEER

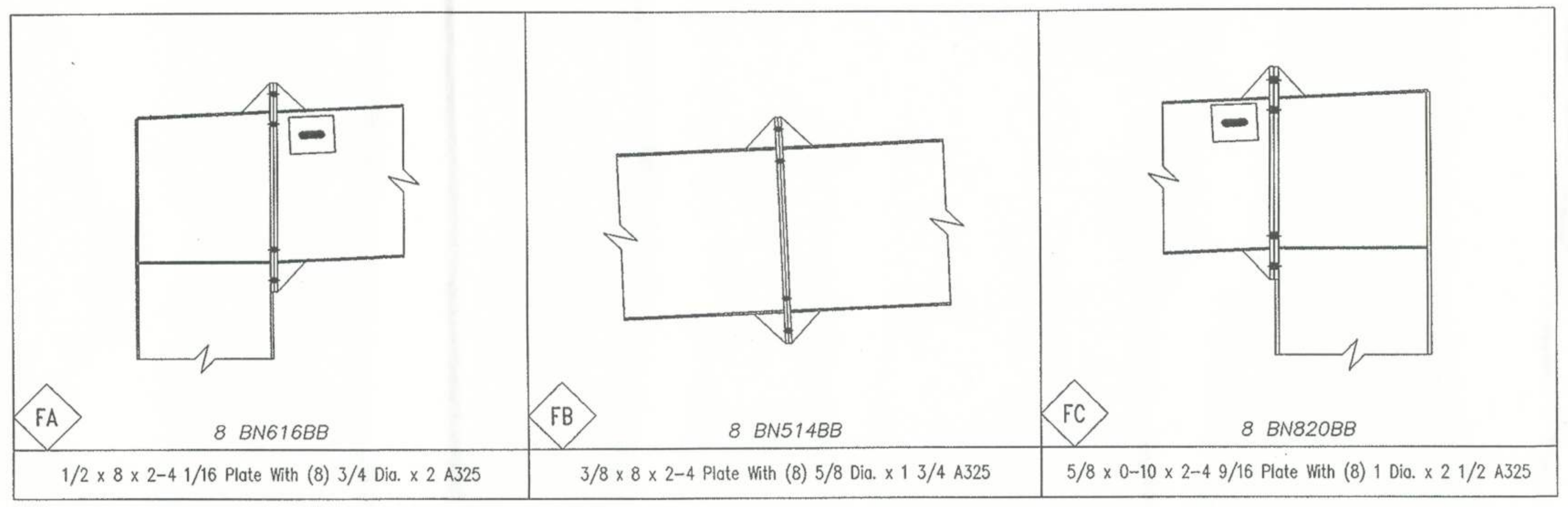
Gap: 10-11-05 15:41:33



Frame Line: 6

BLD'G A

AssyQty = 1



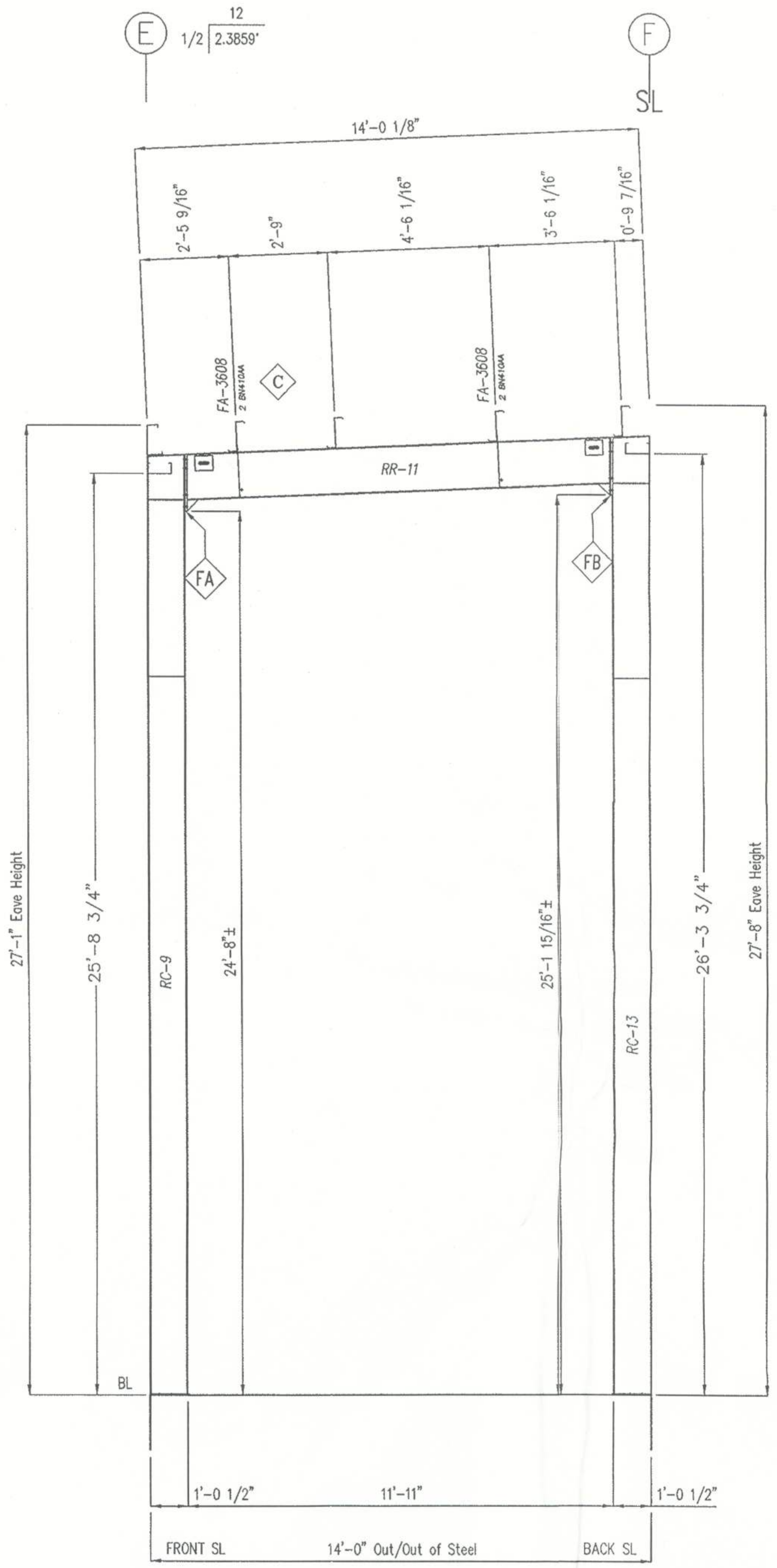
DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

MESCO Building Solutions, P.O. Box 93629, Southlake, TX 76092, 817-488-8511

Sheet Description	Buyer	Q Number	Order Number
ERECTION DRAWING	Simque Construction	-	22-3680
Operator: MAM / Date: 11-02-05	End Customer: Rimrock Development, Inc		Sheet Number: E9 of 14

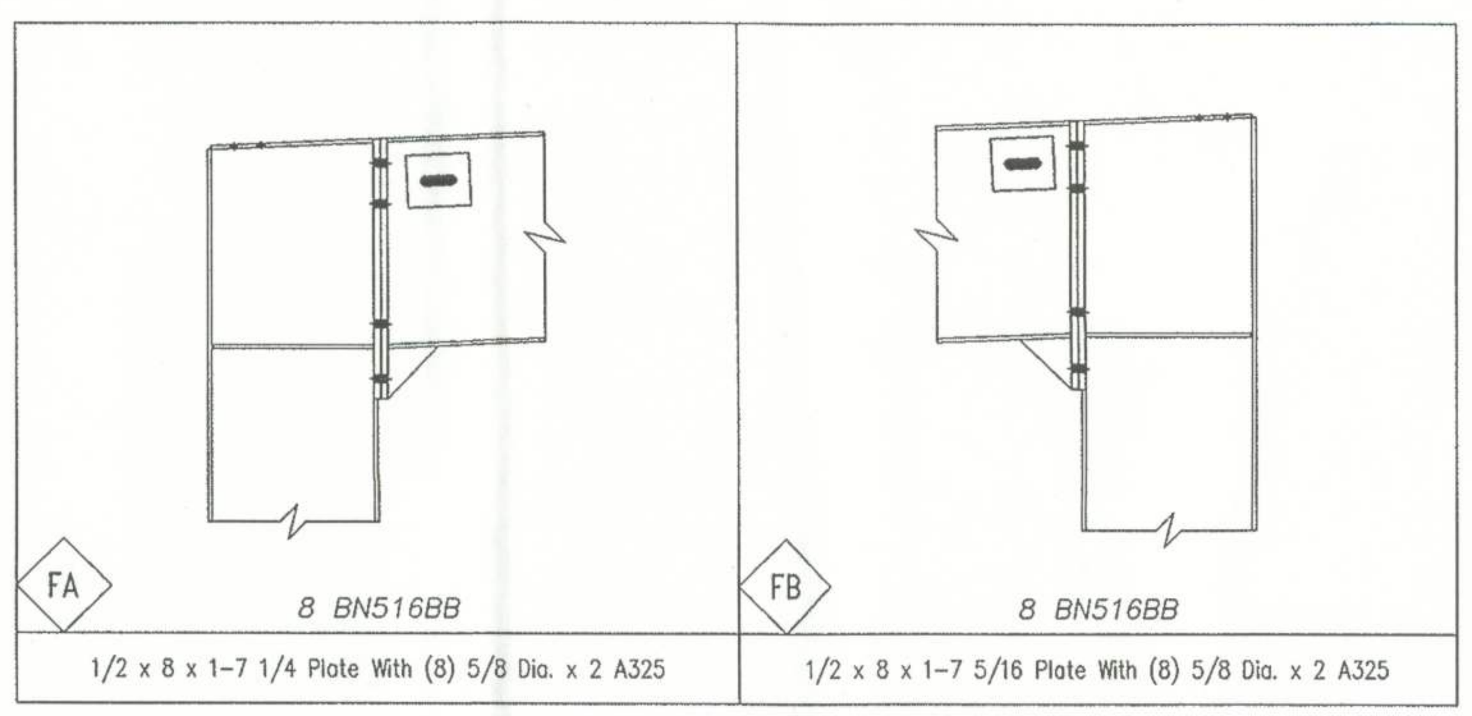
Gap: 10-11-05 15:41:33



Frame Line: 1

BLD'G B

AssyQty = 1



DESIGN CRITERIA

Building Code FLORIDA 2001

Live Load 12/20 psf

Wind Velocity 100 mph

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

MESCO Building Solutions
P.O. Box 93629, Southlake, TX. Zip 76092 817-488-8511

Sheet Description		Buyer	Q Number	Order Number
ERECTION DRAWING		Simque Construction	-	22-3680
Operator	Date	End Customer	MBMA	Sheet Number
MAM	11-02-05	Rimrock Development, Inc		E10 of 14

HARLEY DAVIDSON LICENSE No. 36205 STATE OF FLORIDA PROFESSIONAL ENGINEER

[Ped2003 07.09.2003] RLover: 050915.121257 1/1

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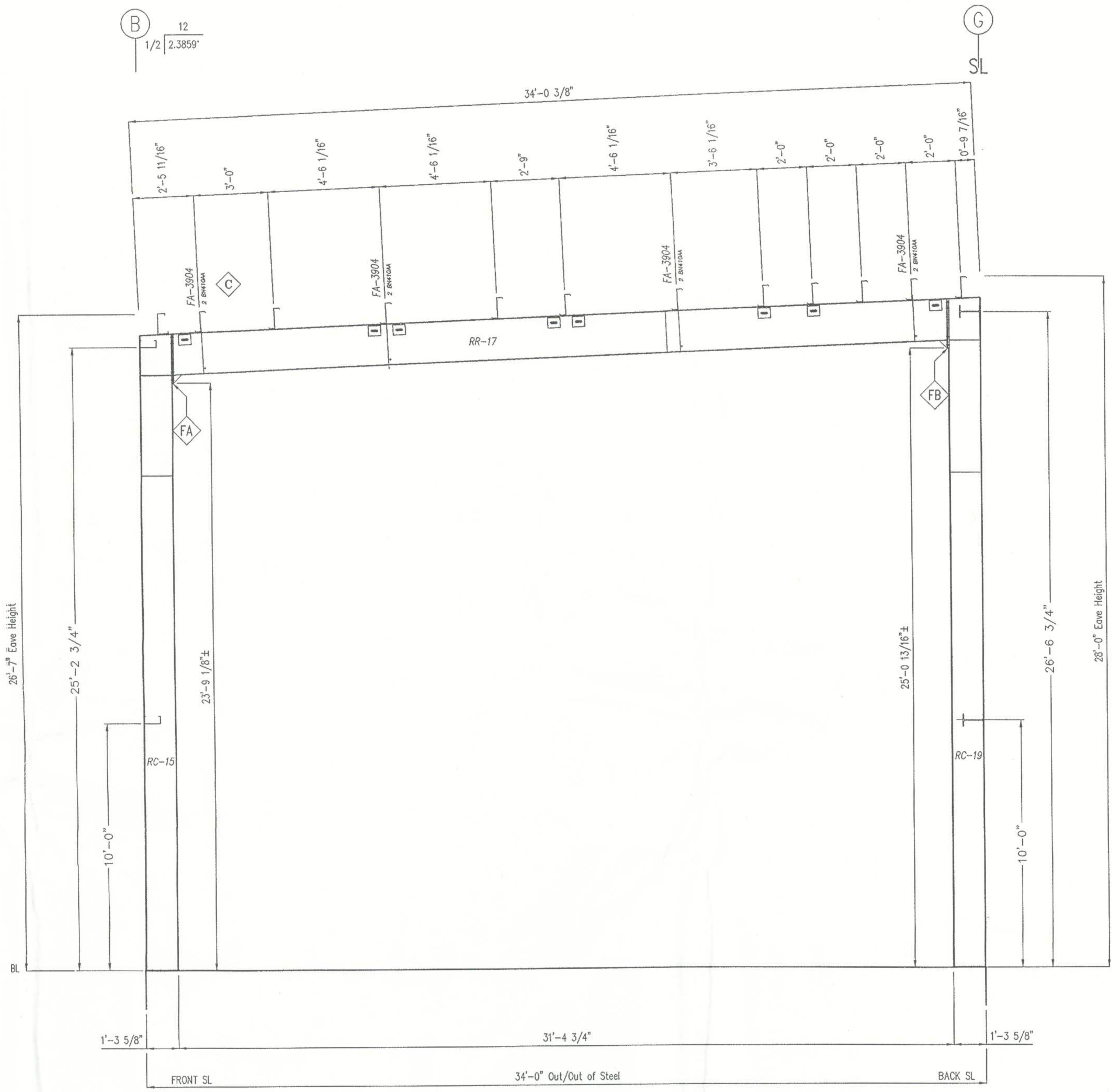
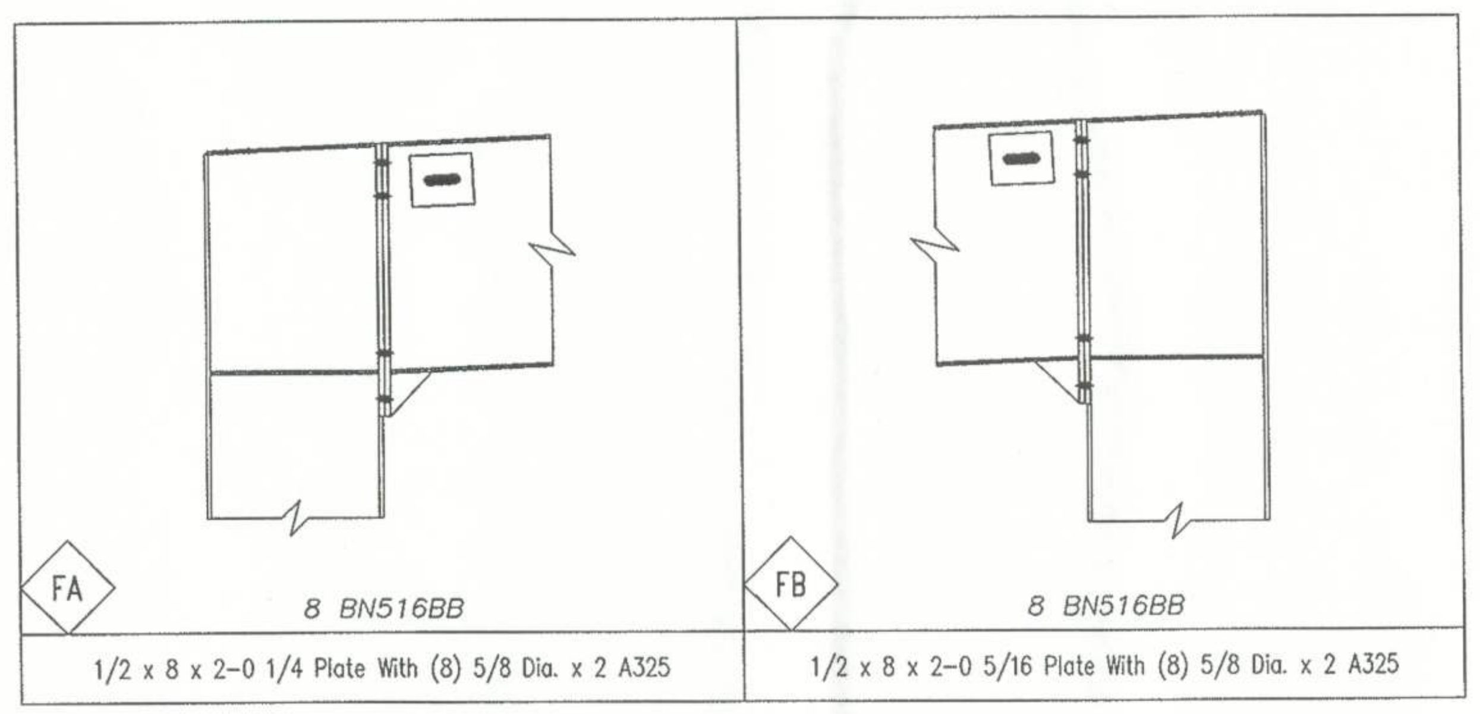


Frame Line: 7

BLD'G C

AssyQty = 1



DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

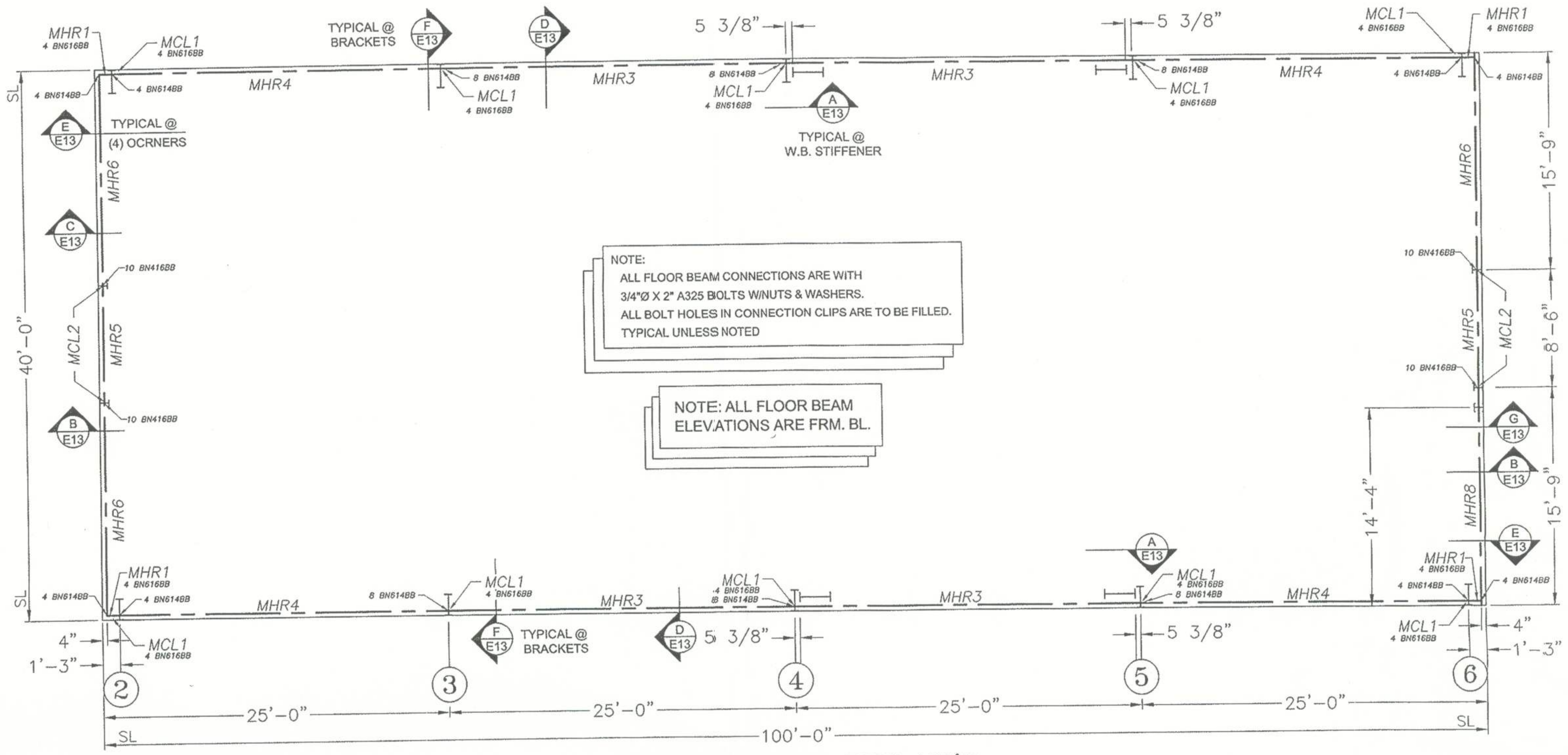
MESCO Building Solutions
P.O. Box 93629, Southlake, TX. Zip 76092 817-488-8511

Sheet Description		Buyer	Q Number	Order Number
ERECTION DRAWING		Simque Construction	-	22-3680
Operator: MAM	Date: 11-02-05	End Customer: Rimrock Development, Inc	MBMA	Sheet Number: E11 of 14

HARVEY DAVIDSON LICENSE NO. 58305 STATE OF FLORIDA PROFESSIONAL ENGINEER

[Ped2003 07.09.2003] RLouer: 050915.121257 1/1

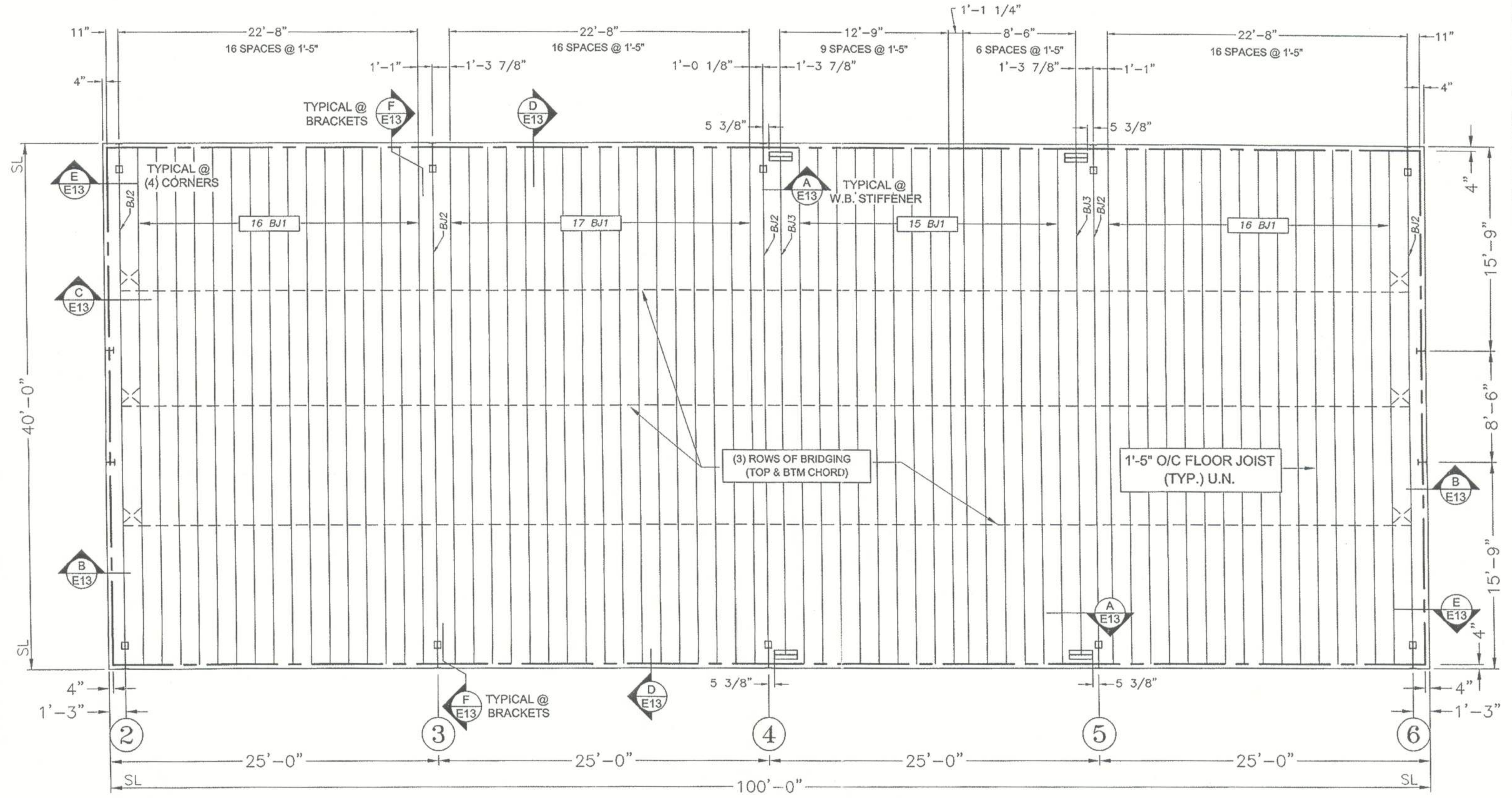
Gap: 10-11-05 15:41:33



SECOND FLOOR FRAMING ASS'Y

BACK / LEFT / RIGHT / FRONT

Gap: 10-11-05 15:41:33



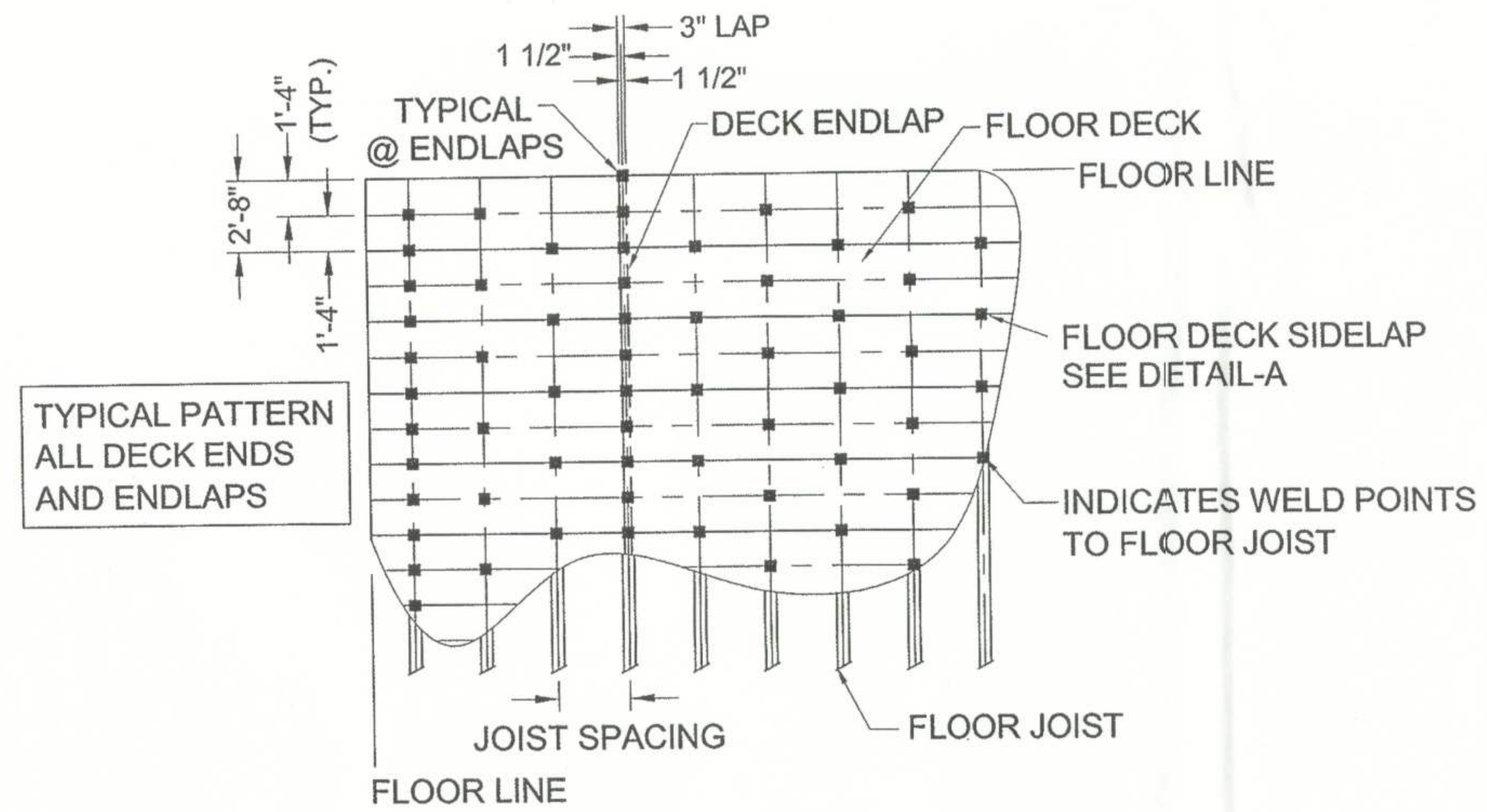
32 MWH1

MWH1 = ANGLE 1x1x.109 for top & btm chord @ bar joist

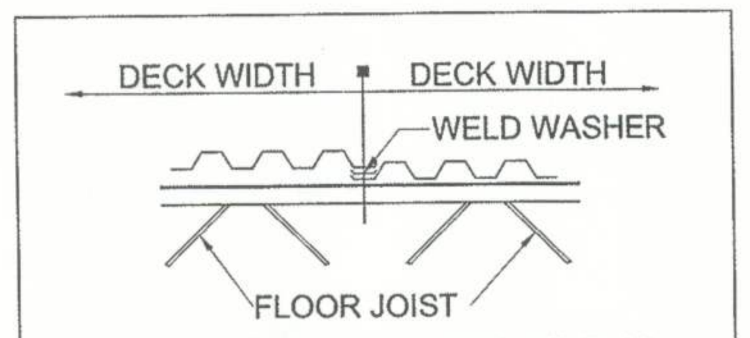
SECOND FLOOR JOIST ASS'Y

BACK / LEFT / RIGHT / FRONT

Gap: 10-11-05 15:41:33

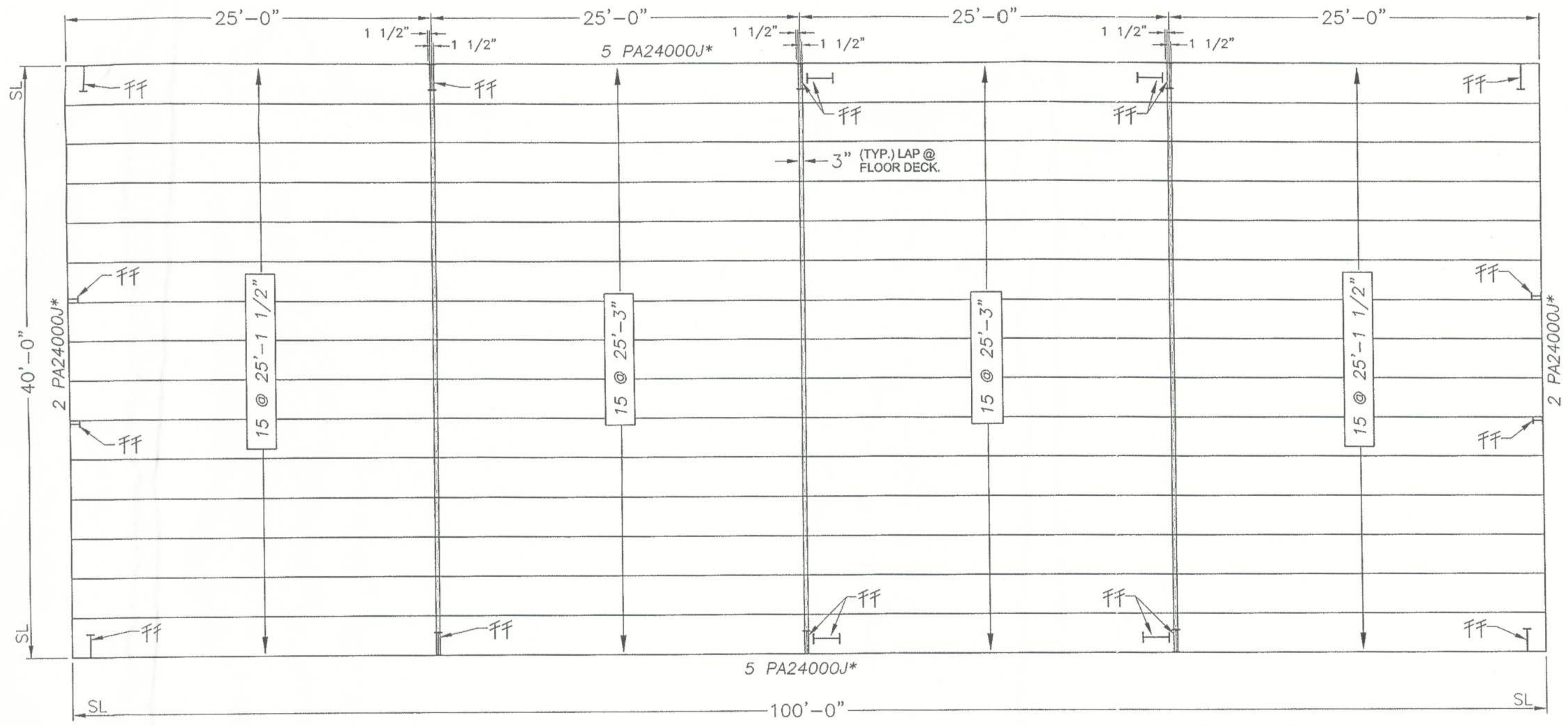


TYPICAL PATTERN ALL DECK ENDS AND ENDLAPS



DETAIL-A WELD WASHER @ SIDELAP

TYPICAL FASTENER POINT PATTERN FOR STEEL FLOOR DECK



5 PA24000J*

SECOND FLOOR PANEL ASS'Y

"PBD" 26GA. 32" COVERAGE (GP) FLOOR DECK

PANEL = MPA-6GPK*

BACK / LEFT / RIGHT / FRONT

1260 WWA = WELD WASHERS @ DECK & JOIST

3 PA24000J*

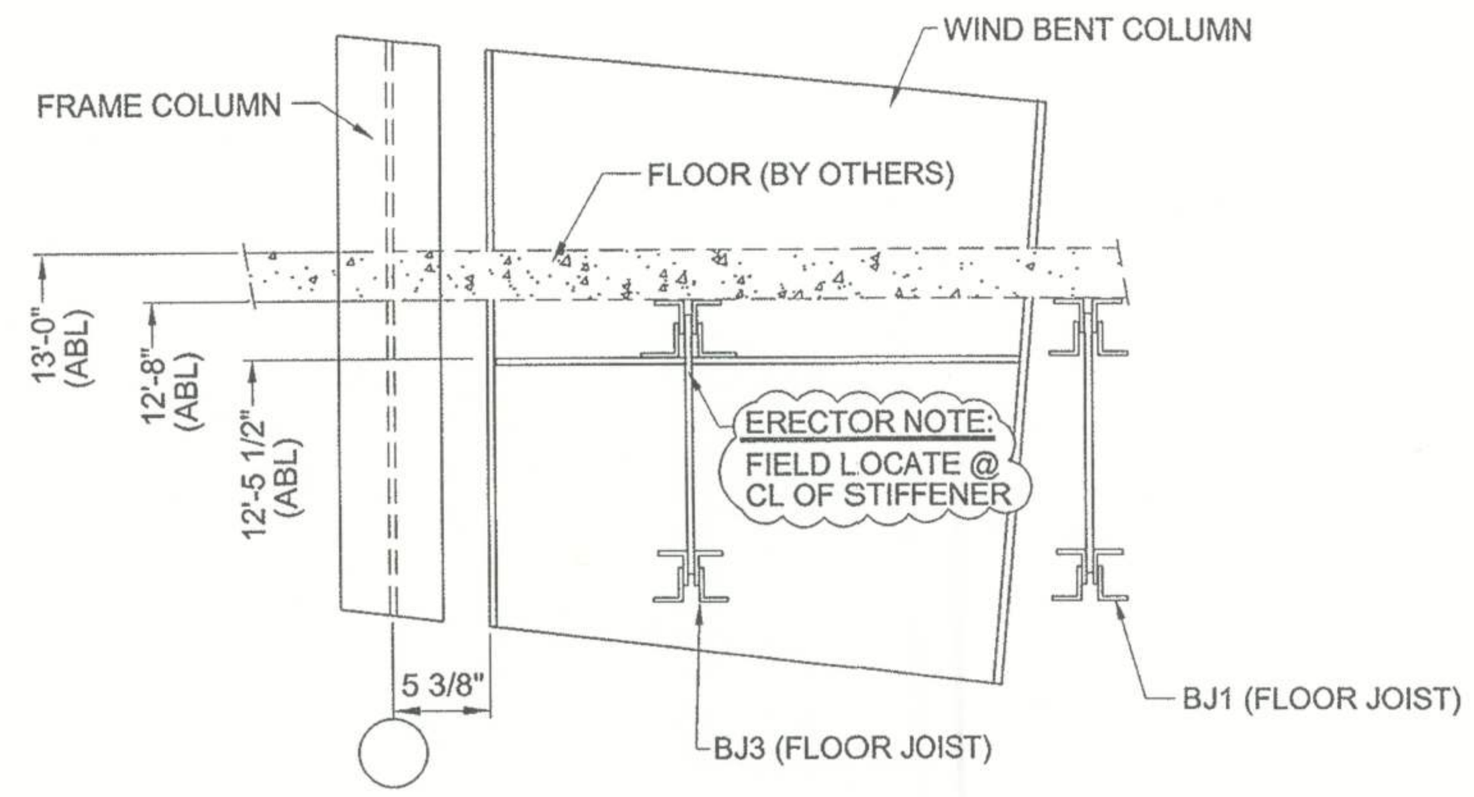
= (3) Pc's OF 20'-0" PA24000J* PROVIDED TO BE FIELD MODIFY & FIELD LOCATE AROUND W.B. & COLUMNS (AS REQ'D) TO SUPPORT FLOOR DECK.

DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

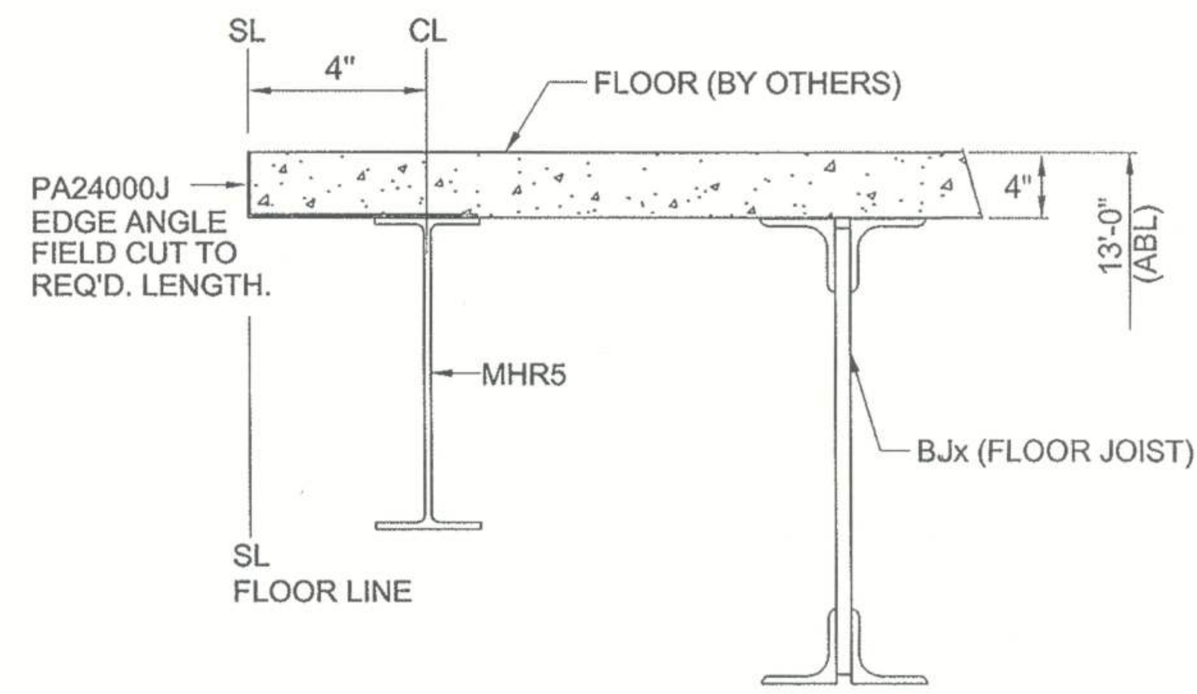
MESCO Building Solutions, P.O. Box 93526, Southlake, TX. 76092 817-488-8511

Sheet Description: ERECTION DRAWING		Buyer: Simque Construction	Q Number: -	Order Number: 22-3680
Operator: MAM	Date: 11-02-05	End Customer: Rimrock Development, Inc	MBMA	Sheet Number: E12 of 14

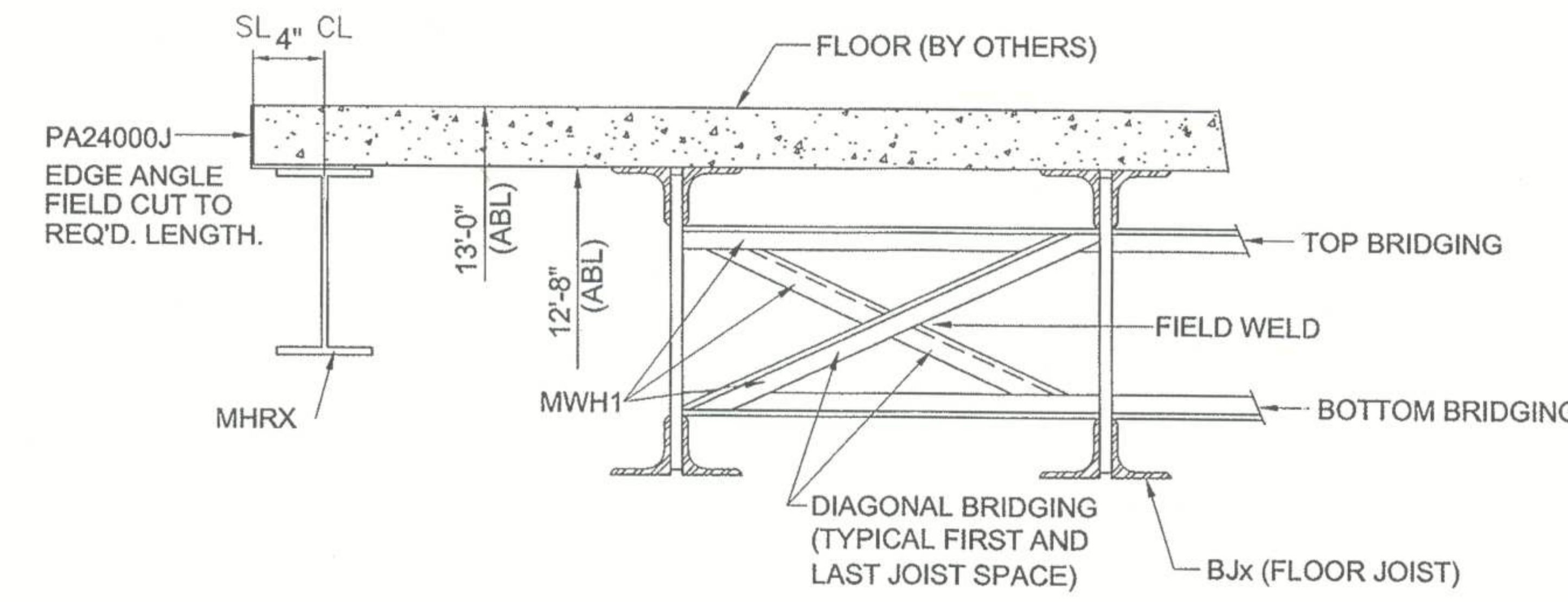


SECTION A/E13

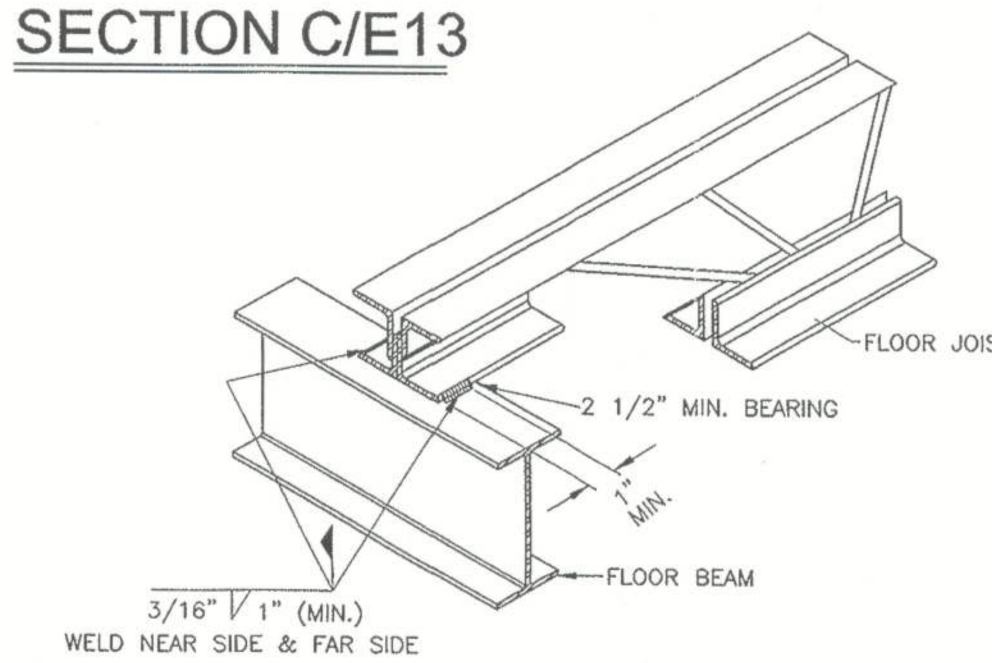
(TYP. @ JOIST TO WIND BENT COLUMN)



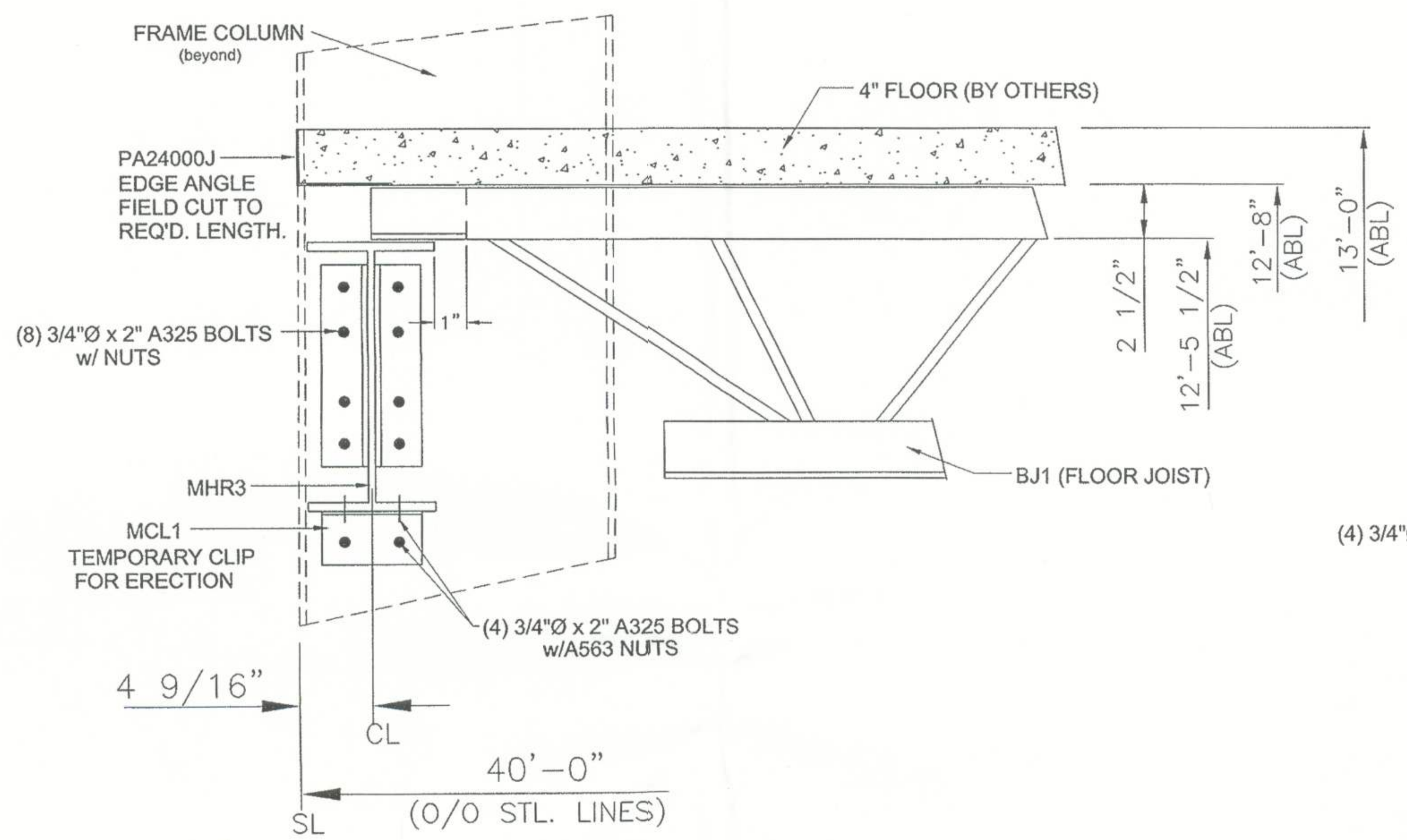
SECTION B/E13



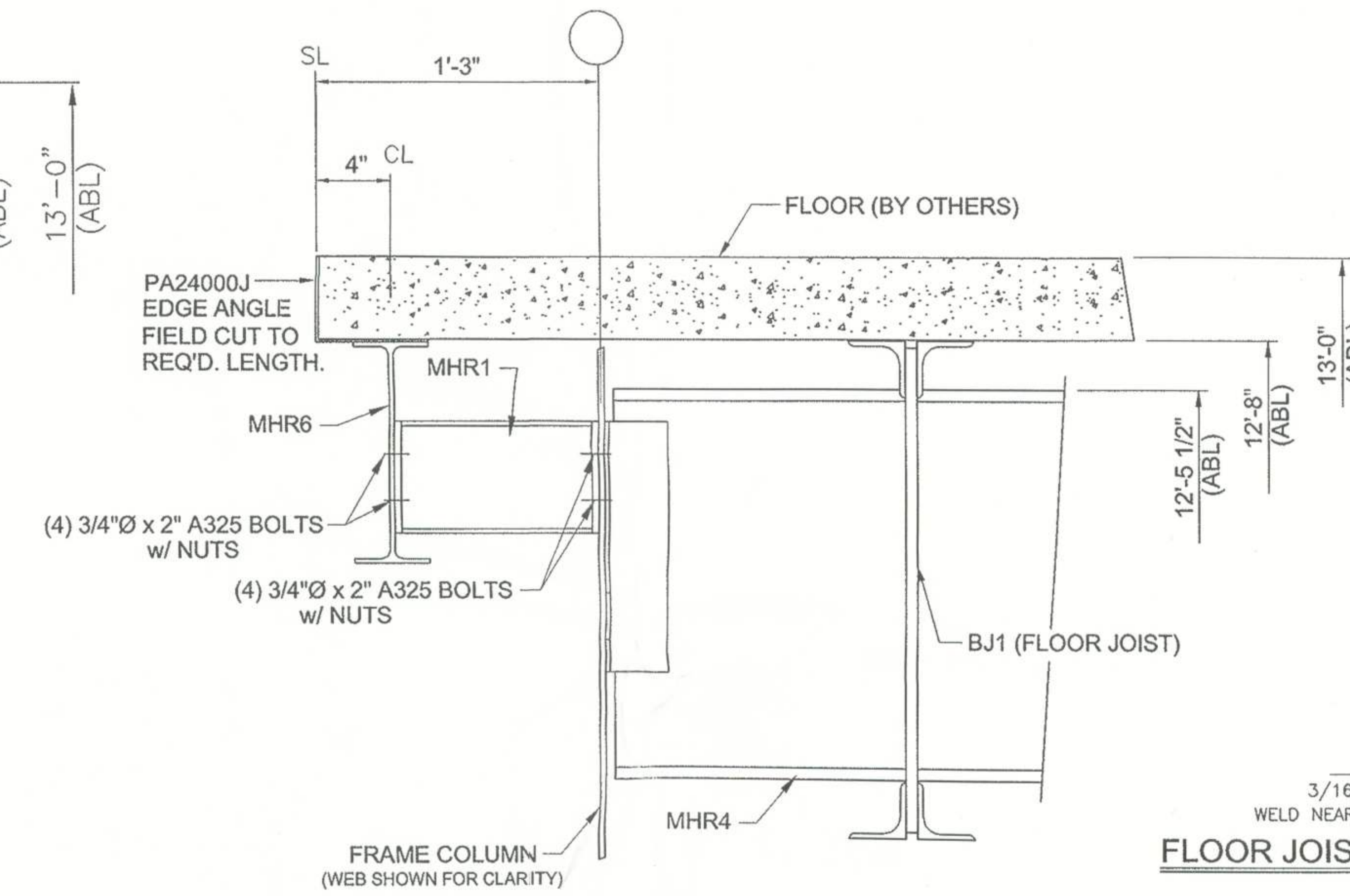
SECTION C/E13



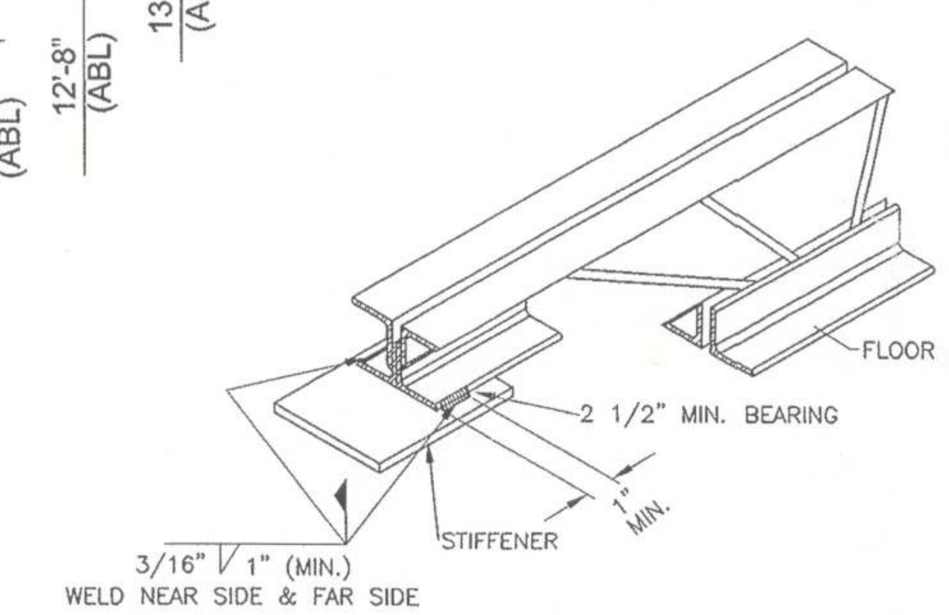
FLOOR JOIST ATTACHMENT TO FLOOR BEAM



SECTION D/E13

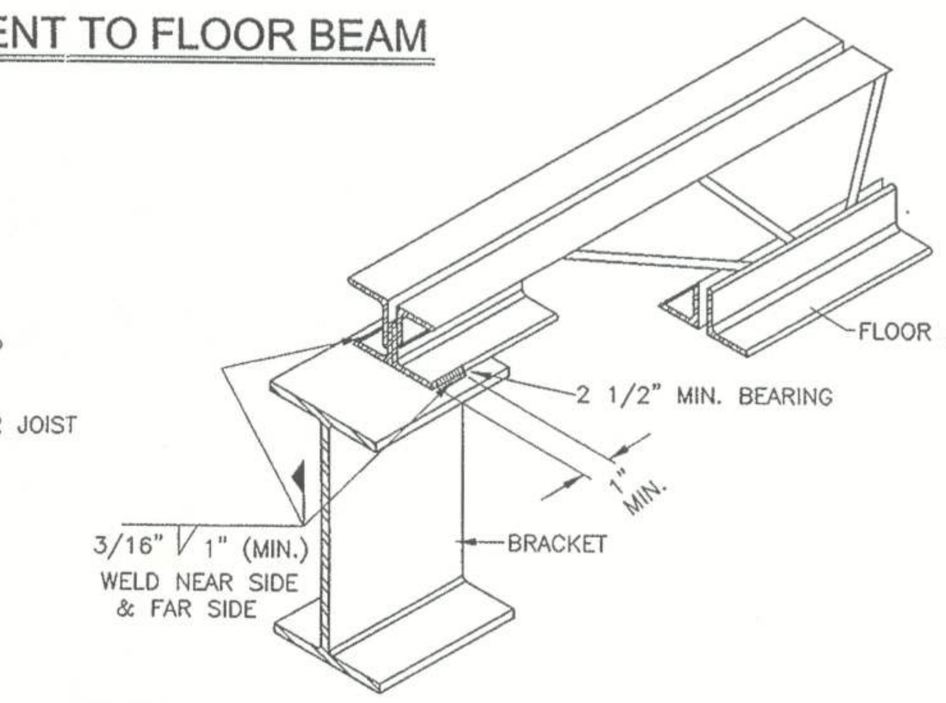


SECTION E/E13



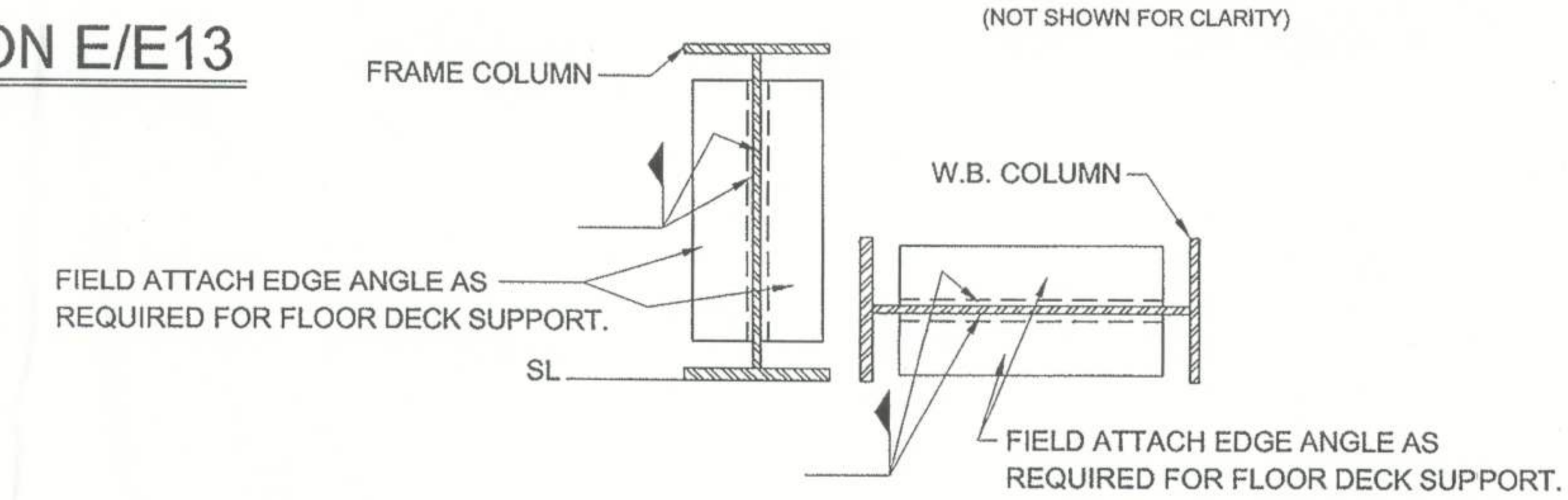
FLOOR JOIST ATTACHMENT TO STIFFENER

WIND BENT COLUMN
(NOT SHOWN FOR CLARITY)

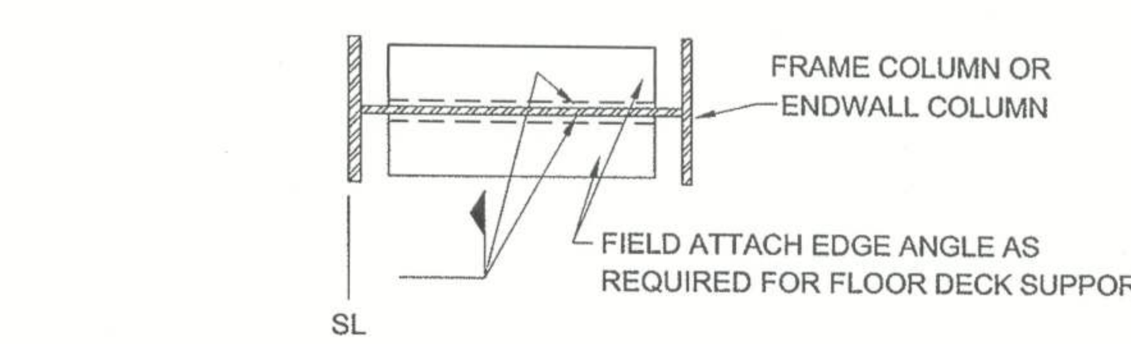


FLOOR JOIST ATTACHMENT TO BRACKET

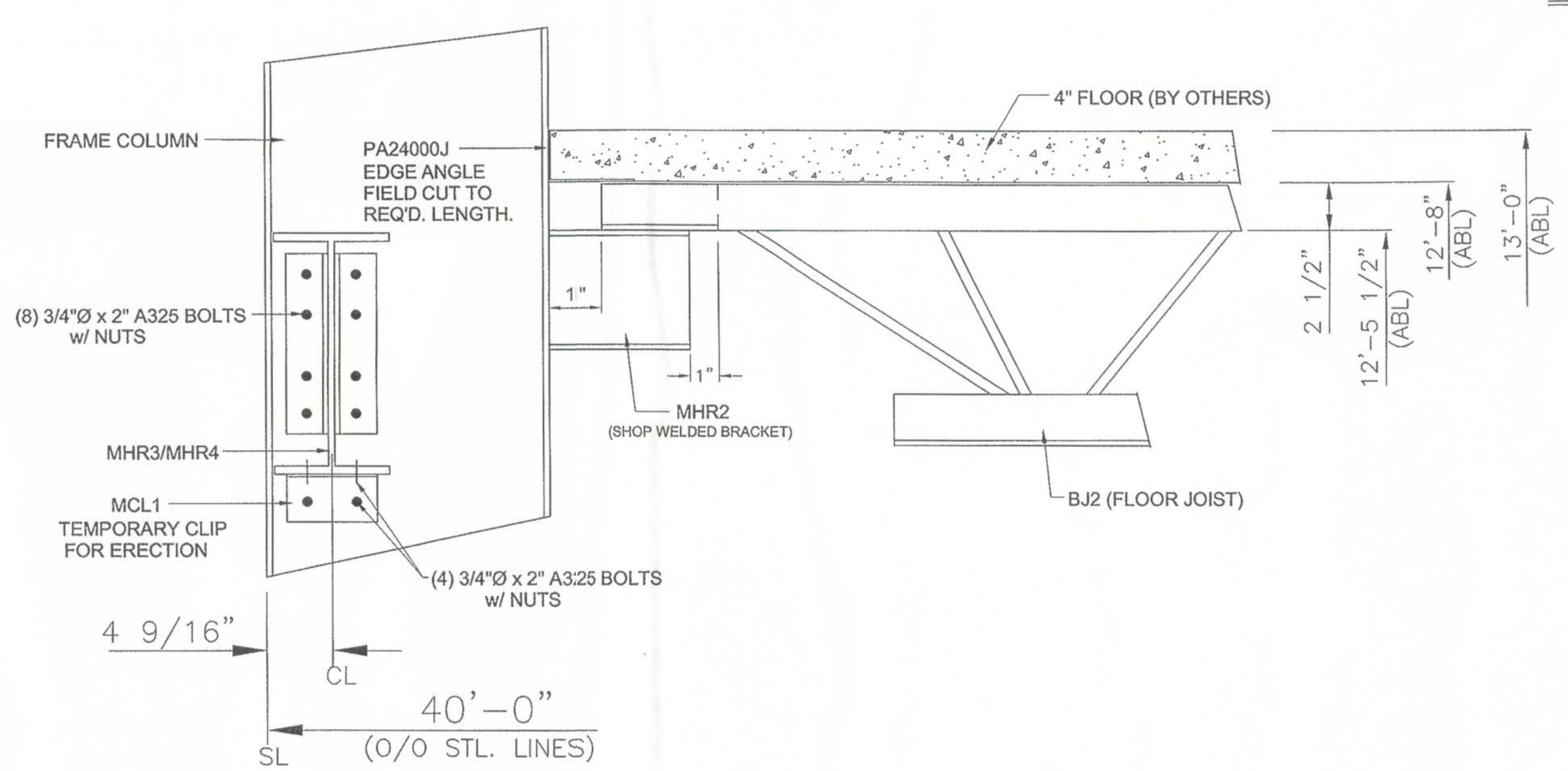
FRAME COLUMN
(NOT SHOWN FOR CLARITY)



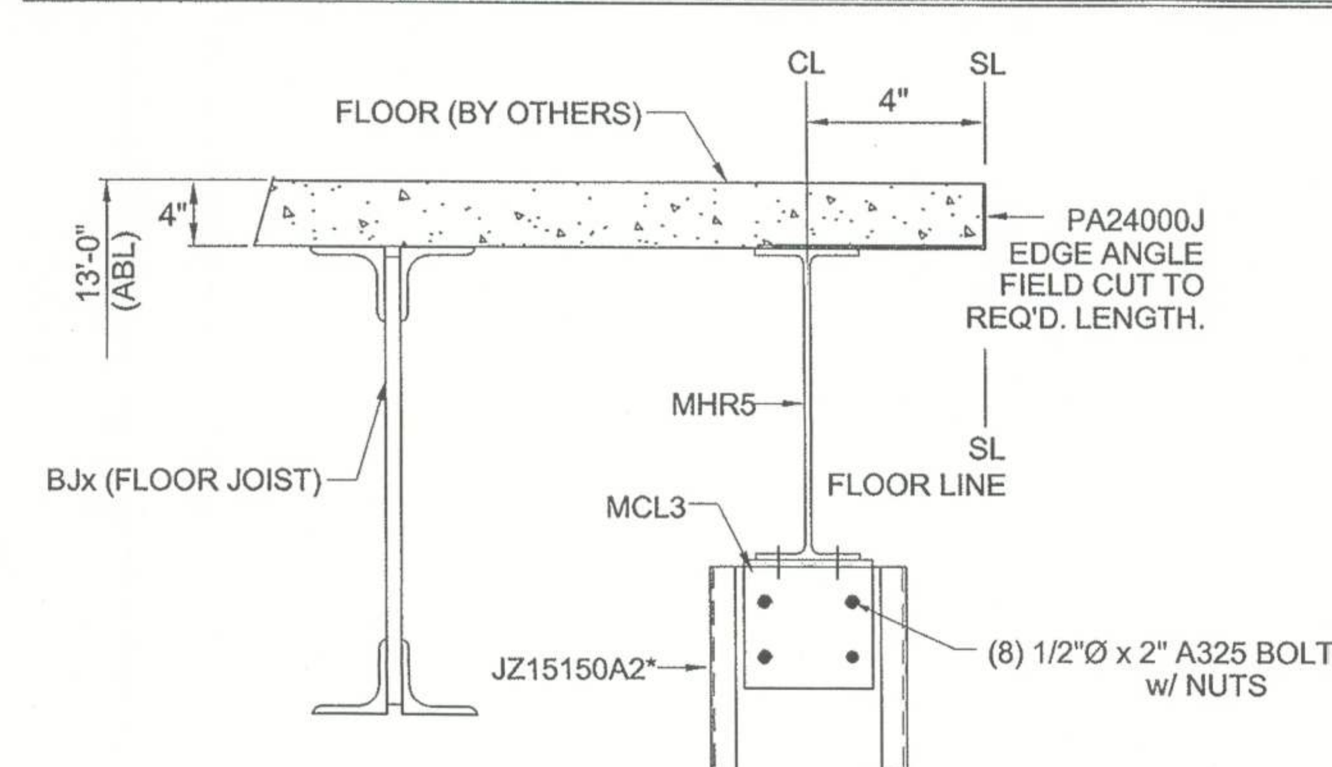
FLOOR DECK SUPPORT @ COLUMN / W.B. COLUMN



FLOOR DECK SUPPORT @ EW COLUMN



SECTION F/E13



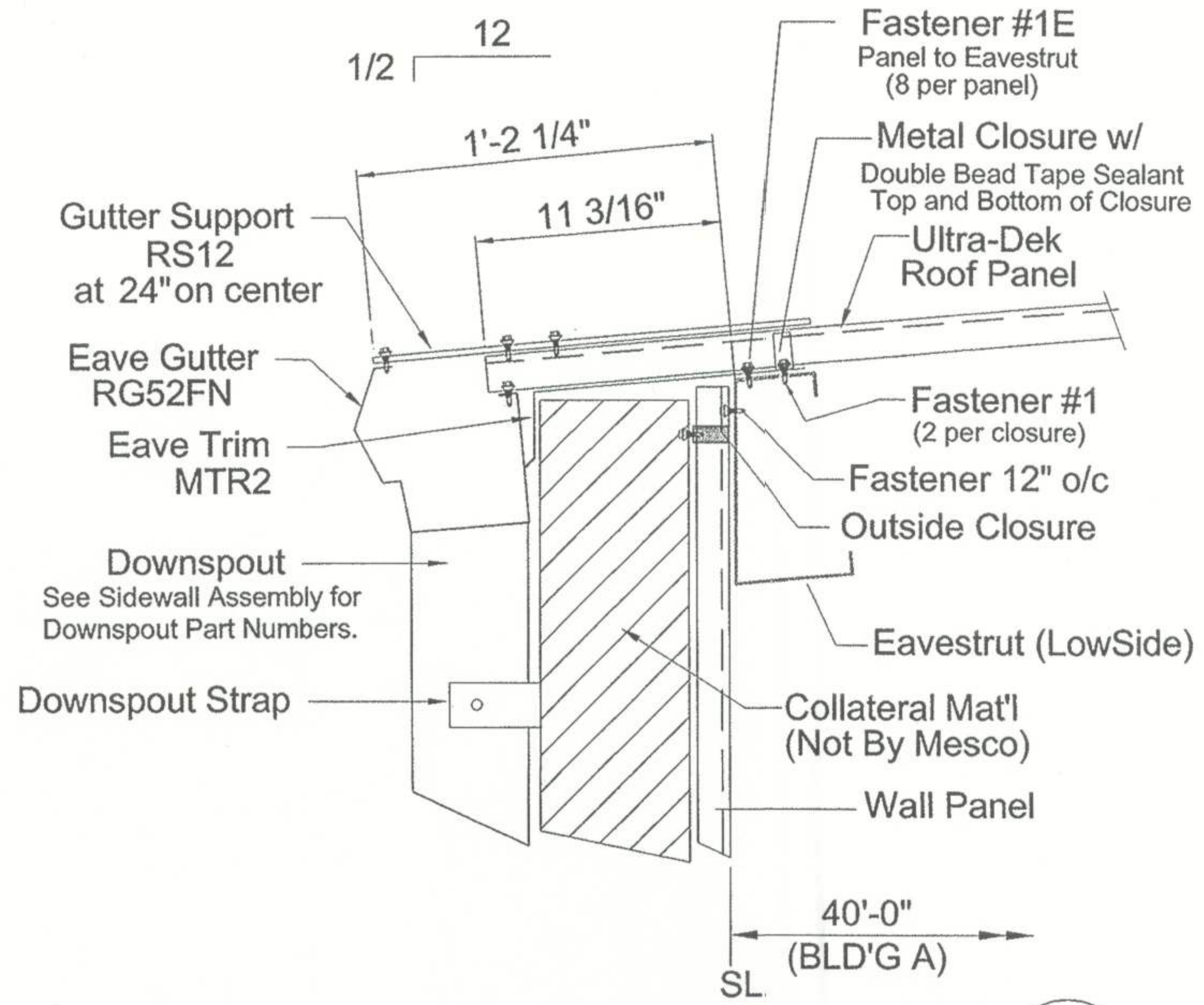
SECTION G/E13

DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

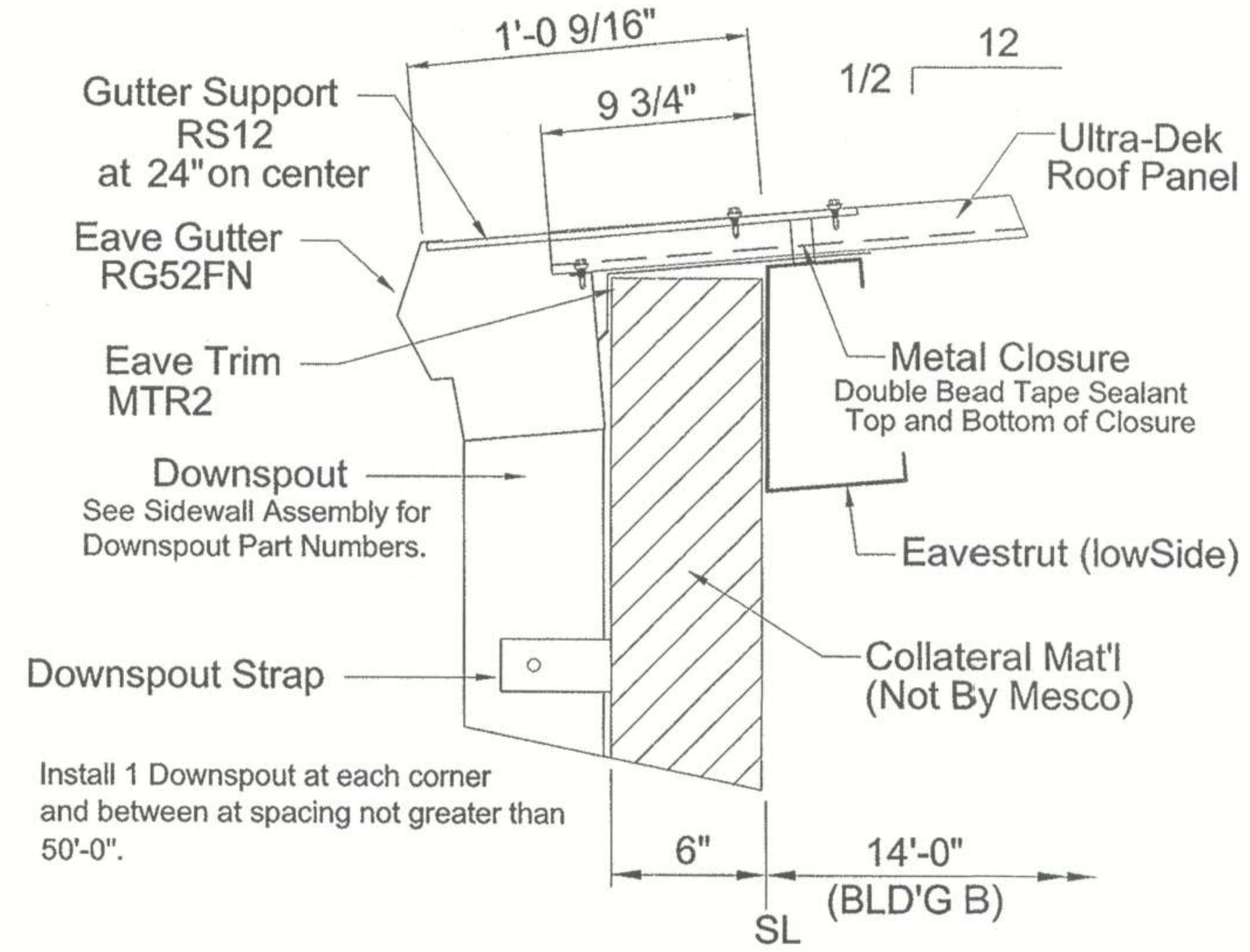
Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

MESCO Building Solutions

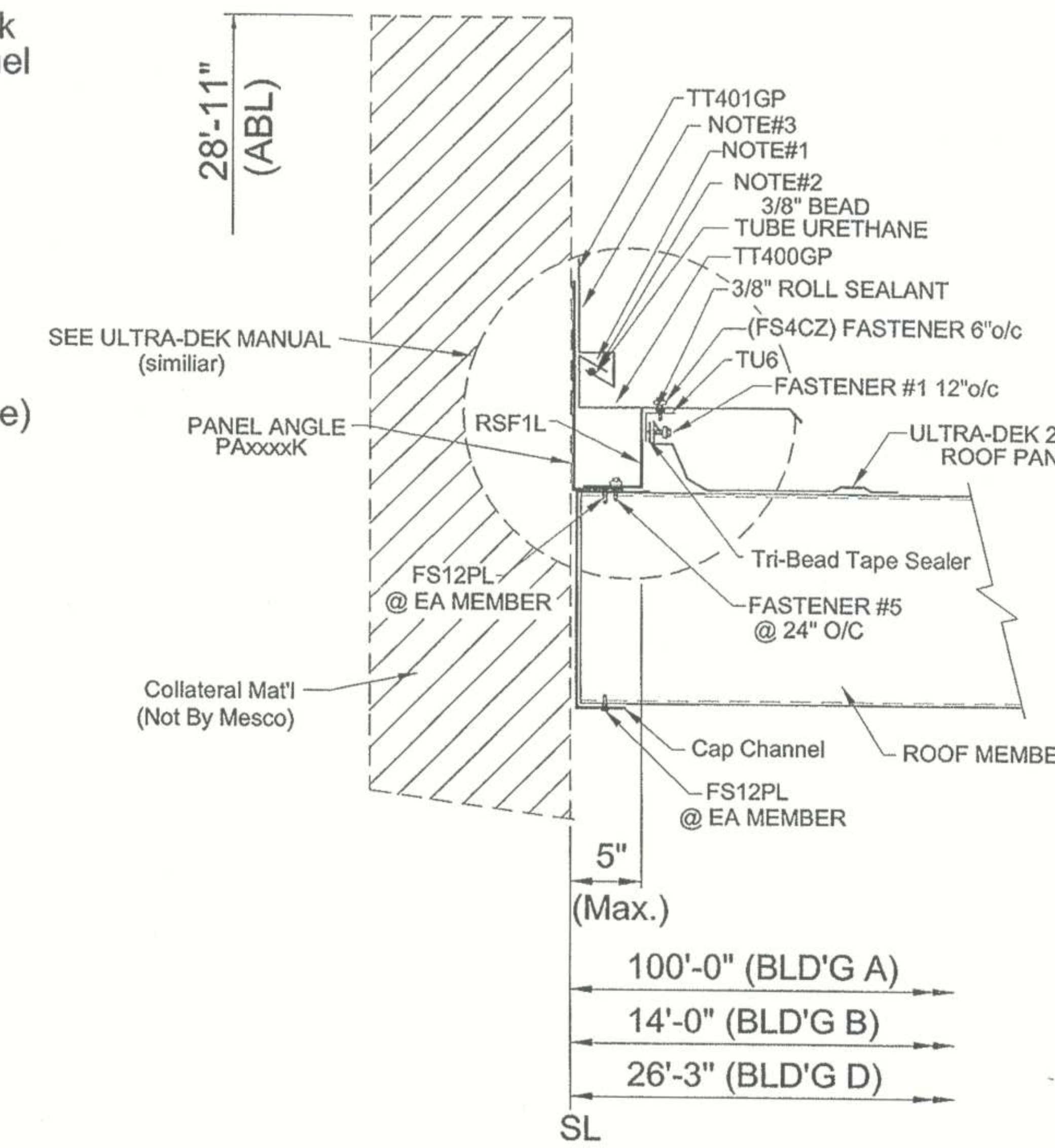
Sheet Description		Buyer	Q Number	Order Number
ERECTION DRAWING		Simque Construction	-	22-3680
Operator	Date	End Customer		Sheet Number
MAM	11-02-05	Rimrock Development, Inc		E13 of 14



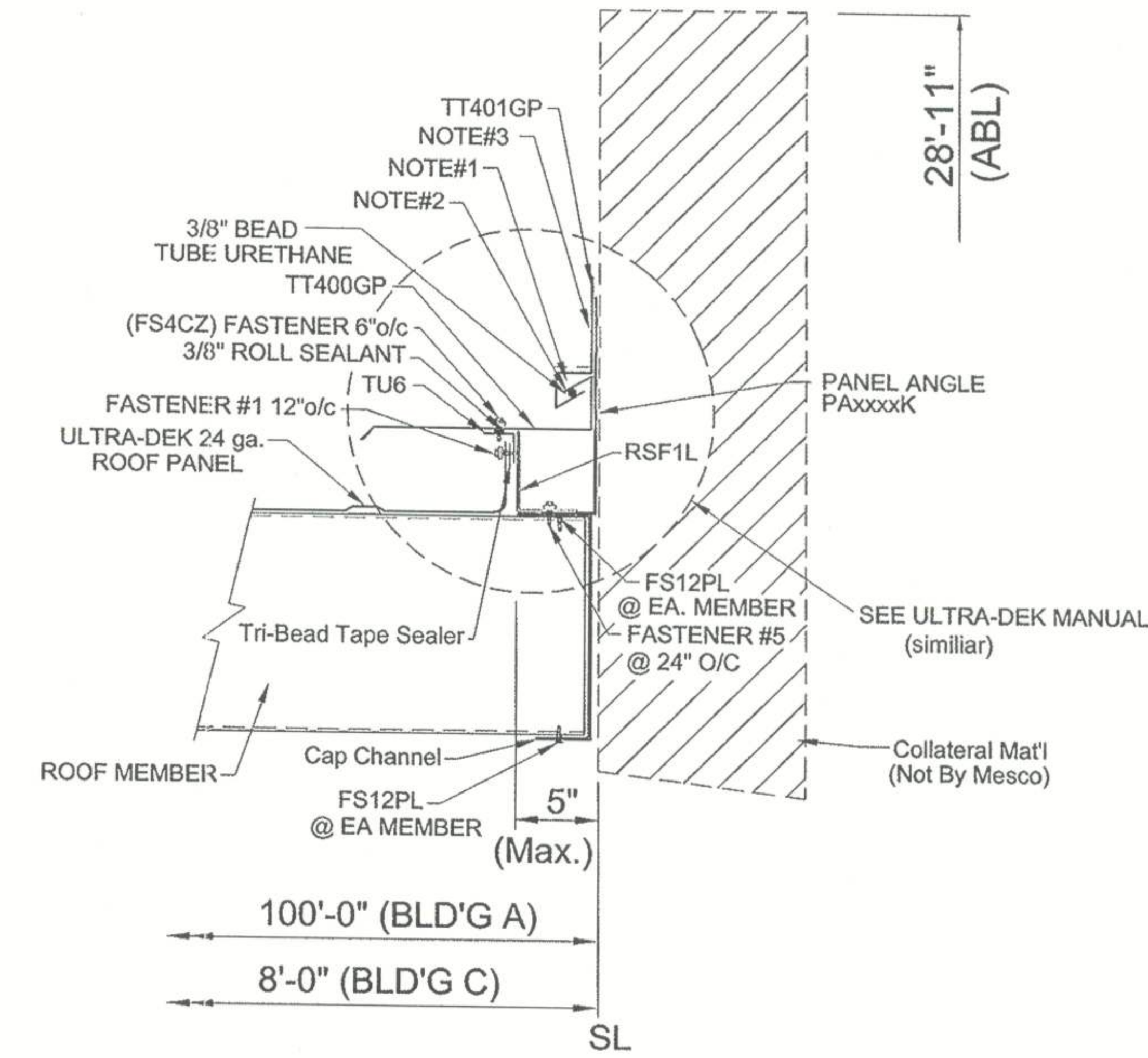
LOW SIDE EAVE SECTION G E14
SHEETED



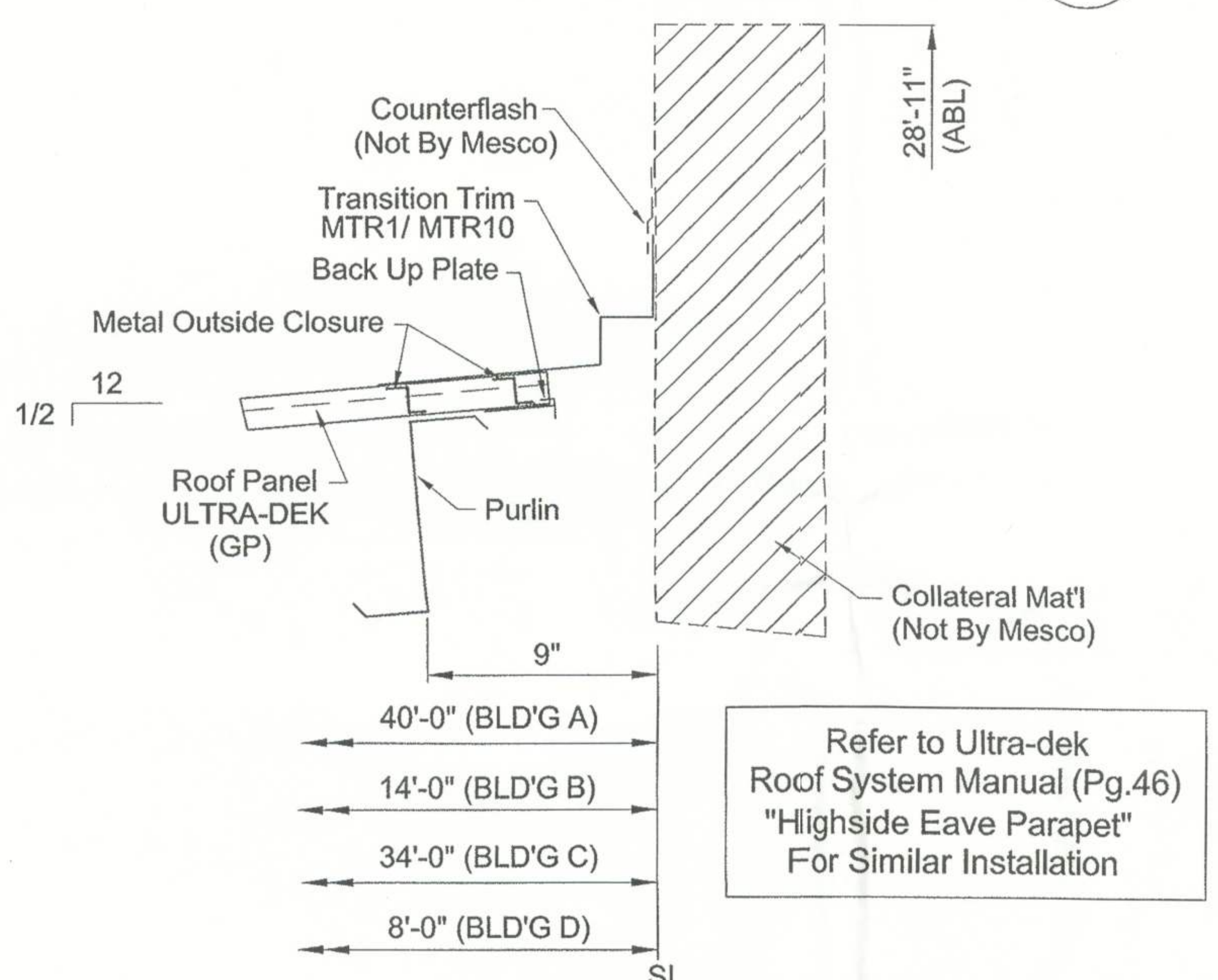
LOW SIDE EAVE SECTION H E14
Open for Collateral Mat'l



EW TRANSITION SECTION K E14
Open for Collateral Mat'l
(START)

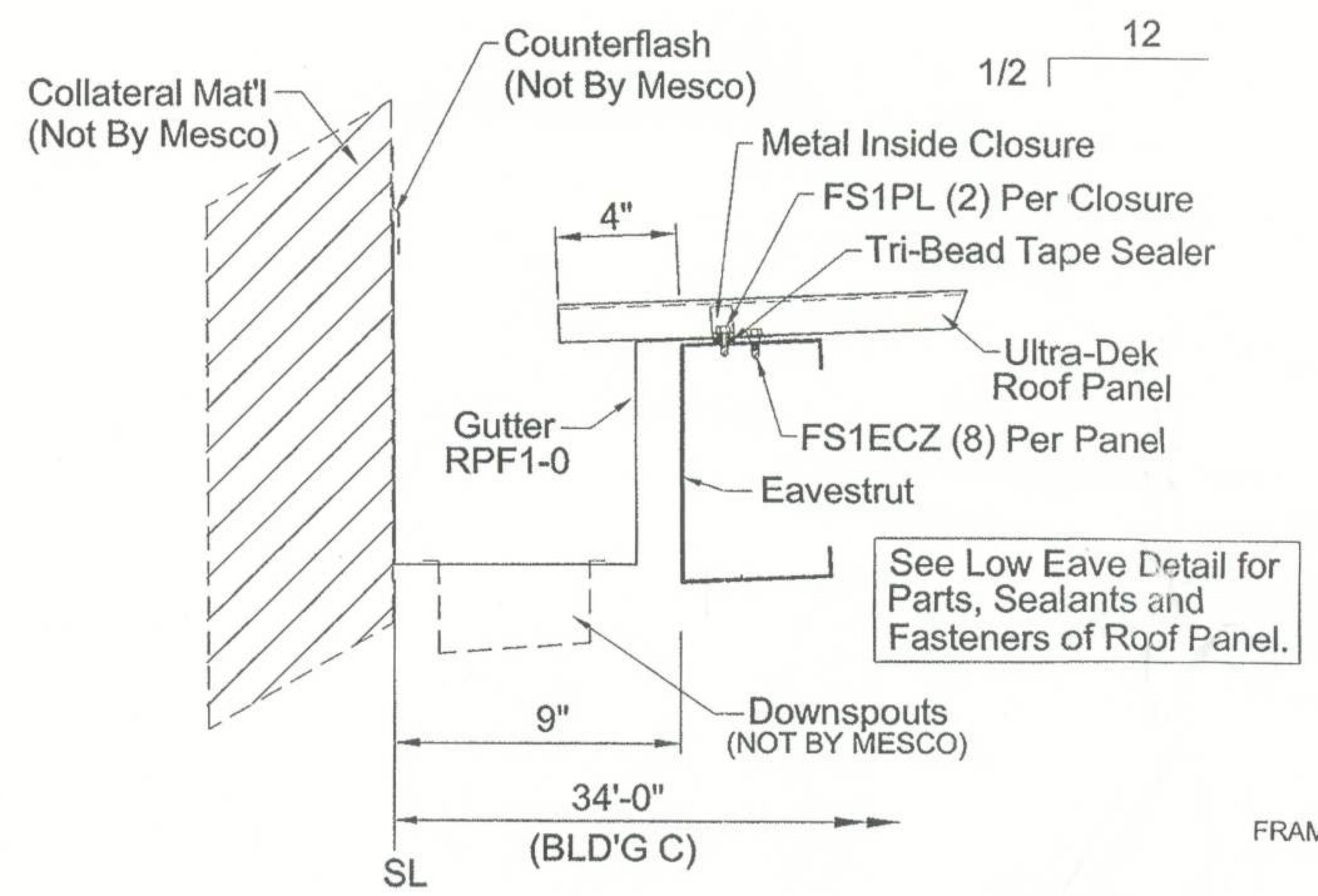


EW TRANSITION SECTION L E14
Open for Collateral Mat'l
(ENDING)



Refer to Ultra-dek Roof System Manual (Pg.46) "Highside Eave Parapet" For Similar Installation

HIGHSIDE TRANSITION SECTION I E14
Open for Collateral Mat'l

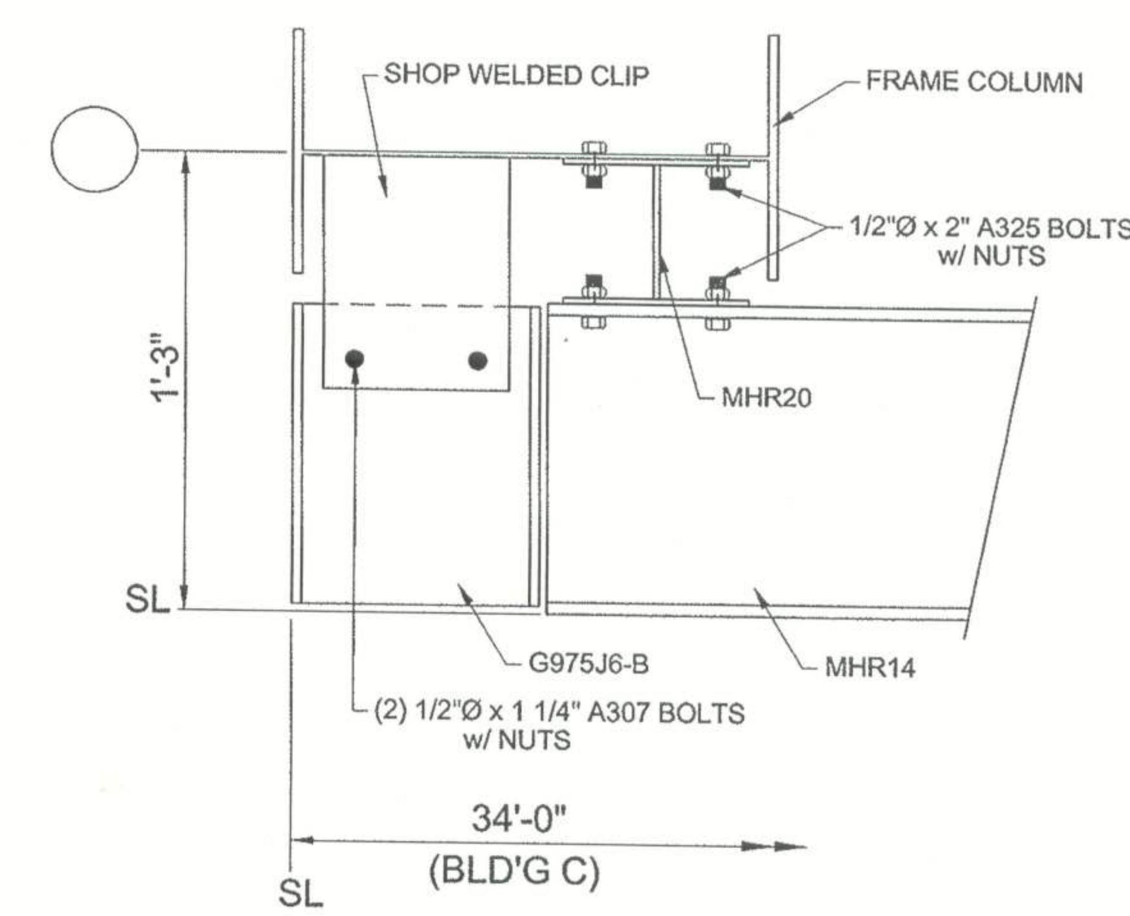


LOW SIDE EAVE SECTION J E14
Open for Collateral Mat'l

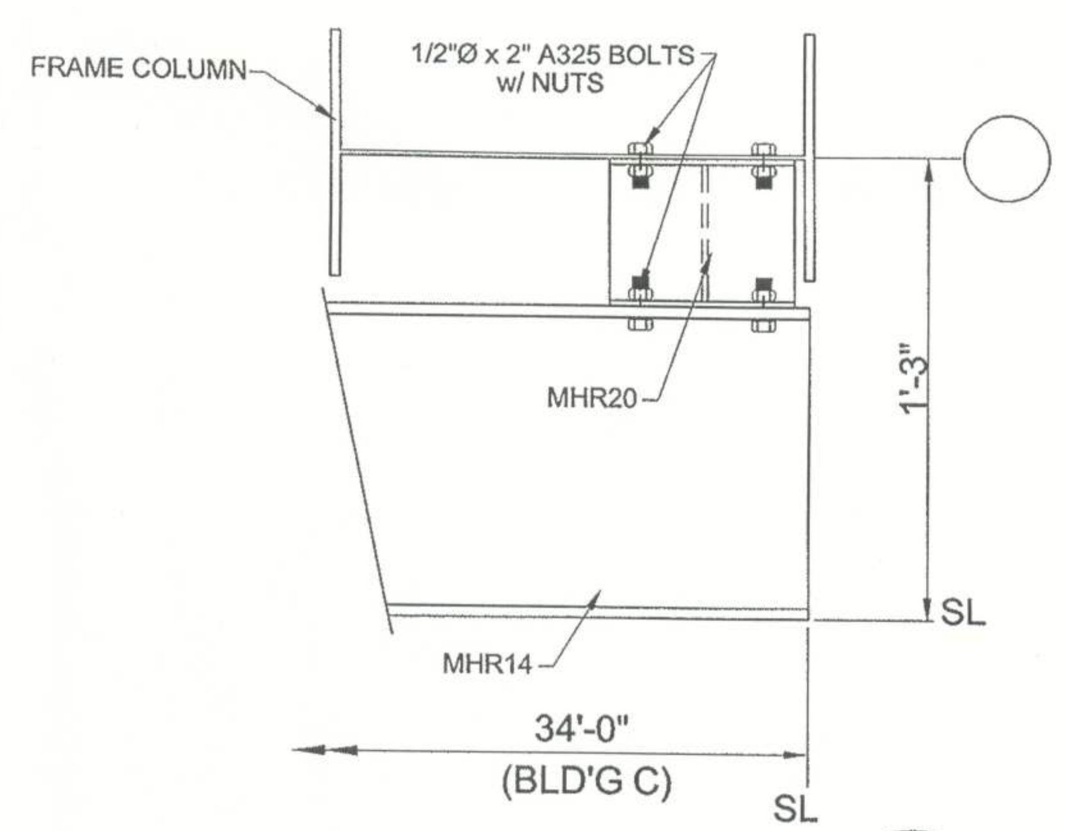
NOTE#1: INSTALL URETHANE SEALANT IN TT401GP BEFORE ATTACHING TO PANEL ANGLE

NOTE#2: INSURE THAT TOP LEG OF TT400GP TRIM ENGAGES THE BOTTOM LEG OF TT401GP AND SEATS IN SEALANT

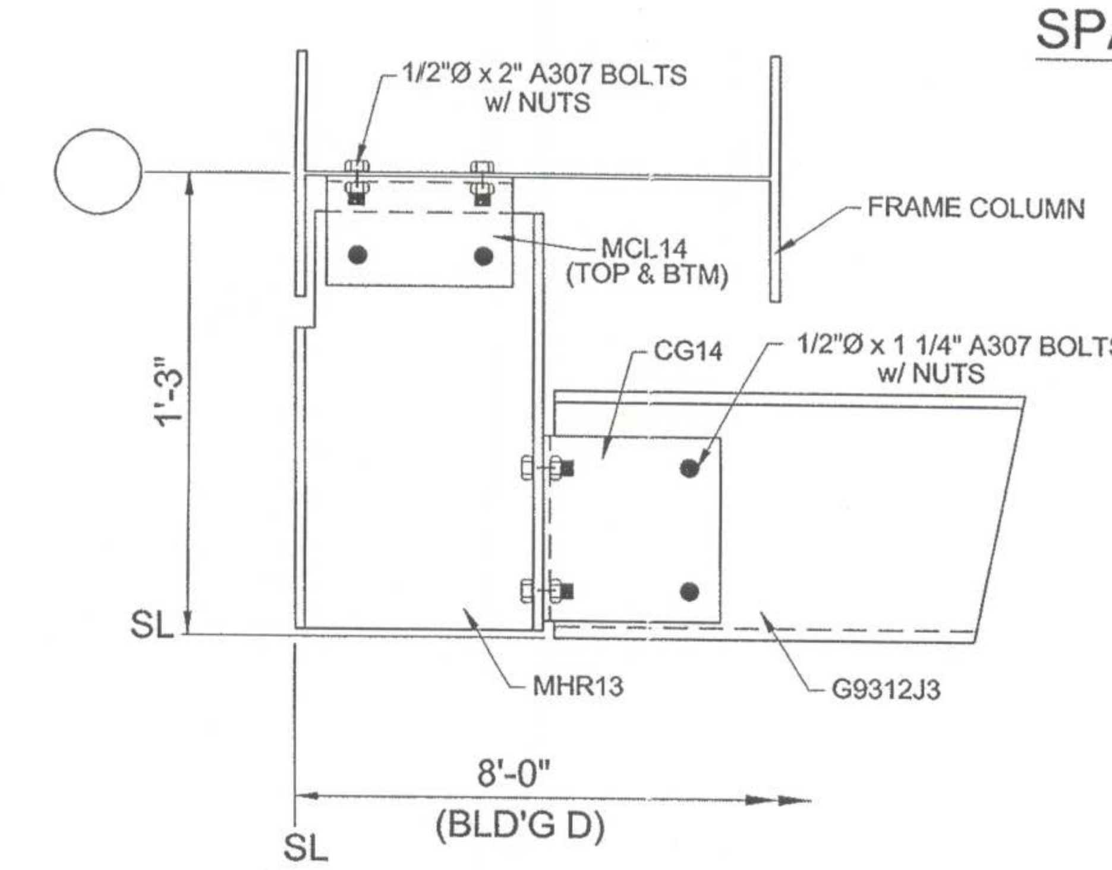
NOTE: ATTACHMENT,SUPPORT&WEATHERTIGHTNESS TO COLLATERAL MAT'L (NOT BY MESCO)



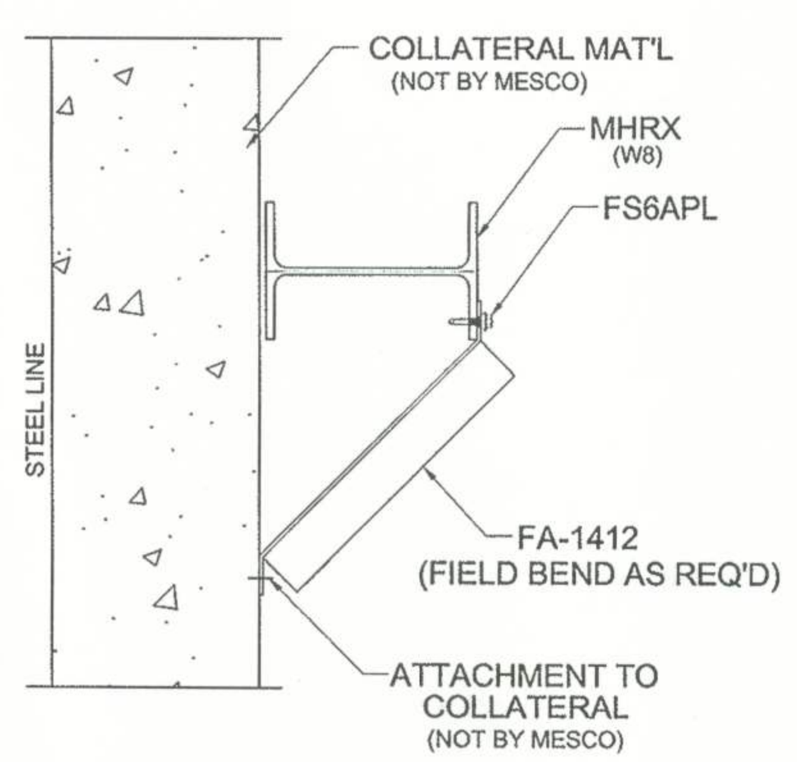
SPANDREL SECTION P E14



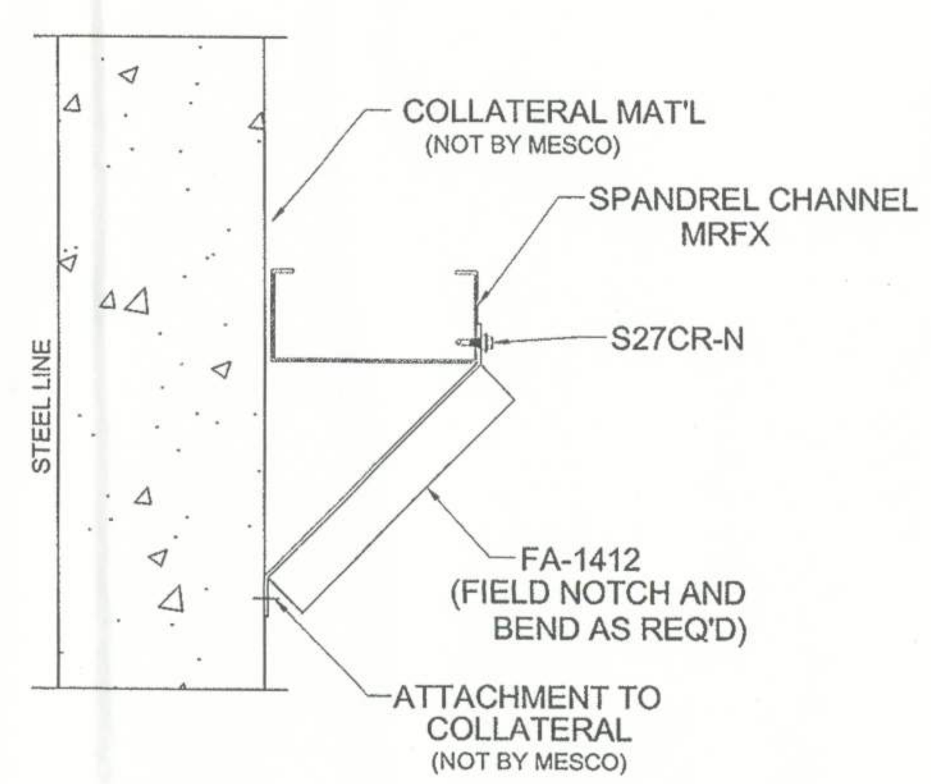
SPANDREL SECTION Q E14



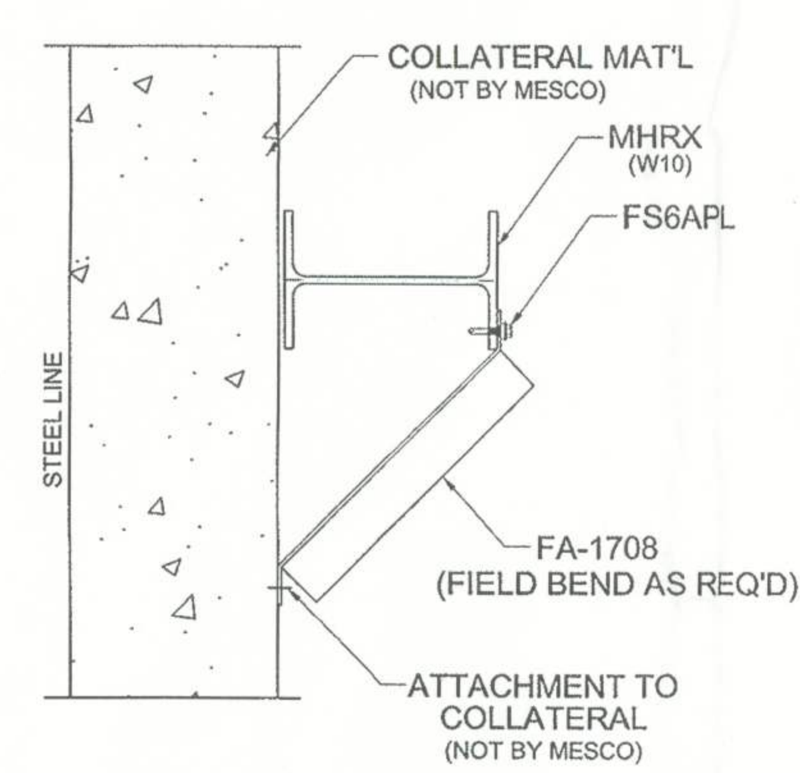
SPANDREL SECTION R E14



SPANDREL SECTION M E14



SPANDREL SECTION N E14



SPANDREL SECTION O E14

DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph

Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

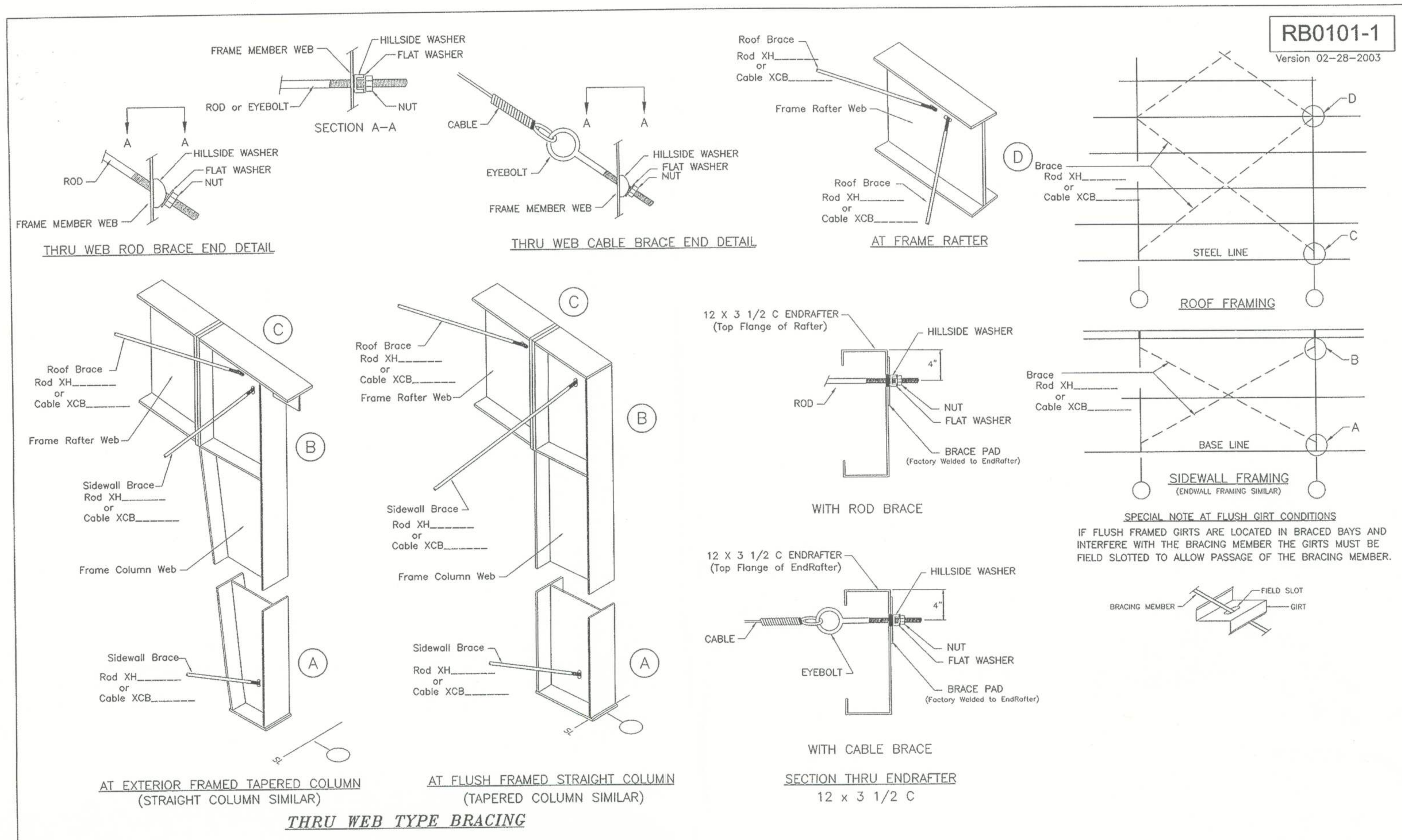
Sheet Description: ERECTION DRAWING	Buyer: Simque Construction	Q Number: -	Order Number: 22-3680	
Operator: MAM	Date: 11-02-05	End Customer: Rimrock Development, Inc		Sheet Number: E14 of 14

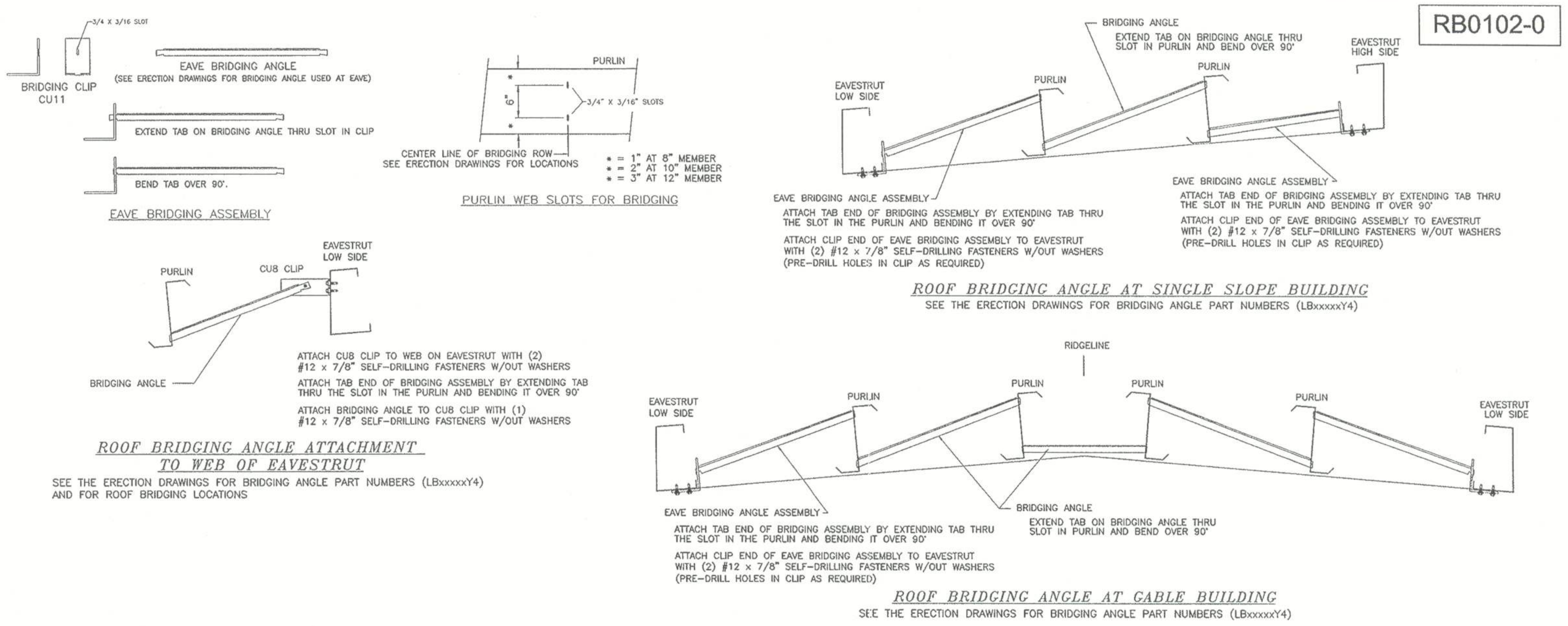
Rev.#	Description	Det.	Chk.	Date
0	ISSUED FOR CONSTRUCTION	KEB	DRS	10/4/05

MESCO Building Solutions

Sheet Description	Buyer	Q Number	Order Number
DETAIL SHEET	Simque Construction	-	22-3680
Operator: MAM	Date: 11-02-05	End Customer: Rimrock Development, Inc	Sheet Number: D1 of 1

DESIGN CRITERIA
Building Code FLORIDA 2001
Live Load 12/20 psf
Wind Velocity 100 mph





RG0101-0

RECEIPT AND CARE OF MATERIALS

INTRODUCTION

This article has been prepared as a guideline for Buyer or Buyer's Receiving Agent who is responsible for receipt and care of materials manufactured by the Manufacturer.

The care taken in receipt and handling of materials directly affects the appearance, performance, and life of the completed building. This article identifies the various Shipping Documents received with each shipment of materials and presents Manufacturer's standard procedures in packaging and marking of materials. Cautions are given for the unloading of materials and procedures for receipt of materials are discussed. Finally, cautions for the job site storage of materials are given.

SHIPPING DOCUMENTS

A complete set of Shipping Documents are provided by Manufacturer with each shipment of materials. The Shipping Documents include a Bill of Lading, a Shipping Manifest, and a Shipping list.

The Bill of Lading shows the general classification on weight of materials shipped. Essentially the Bill of Lading serves three functions: (1) receipt; (2) contract of shipment; and (3) the document of title.

The Shipping Manifest shows the quantity of individual parts and packages included in a shipment. The Shipping manifest is designed to permit the receiving agent to quickly and accurately receive a shipment of materials.

The Shipping List is a detail listing of all materials included in an order showing the total quantity, part number, and description of materials. A copy of the Shipping List marked to show the materials included in the package is provided with each shipment..

PACKAGING AND MARKING

Materials for the Building System are packaged for ease in loading, unloading and to prevent loss of materials during transit. Standard packaging as outlined below is suitable for transportation by Manufacturer truck, and any other packaging requirements must be specified by Buyer on the Contract Documents.

Panel is wrapped in waterproof paper in packages of a maximum weight of 3500 pounds. Panel packages are separated by configuration and color and loaded separated by configuration. A waste or cover panel is provided only when other materials are loaded on top of a panel package. Ridge caps are banded in packages with approximately 50 per package. Each panel package is marked with the package number and the order number.

Trim is packaged in a waterproof carton, except when a small amount of trim is required, in which case the trim is wrapped in waterproof paper. Like pieces of trim are nested together and marked with the part number. Each trim package is marked with a package number and the order number.

Heavy structural framing, such as frame columns, frame rafters and wind columns are not packaged. Each item is marked with the part number and the order number.

Press-brake structural items, such as bearing end frame rafters, endwall columms, etc... are blocked and banded in groups of a maximum weight of 3500 pounds. Each item is marked with the part number and each group is marked with the package number and order number.

Rollform structural items, such as purlins, girts, etc... are blocked and banded in packages of a maximum weight of 3500 pounds. Each item is marked with the part number and each package is marked with the package number and order number.

Light structural items, such as rod bracing, angle bracing, base, rake, and corner angles are wired in groups of like items. Each group of like items is marked with the part number and the group is marked with the package number and order number.

Clips, when identical, are wired together, and all clips are banded together as a group. Flange braces are wired together by size. Each group of like items is marked with the part number. The group of clips and flange braces is marked with the package number and order number.

Fasteners, such as connection bolts, panel fasteners, nuts, etc... are bagged by item type, size, and color, and packaged in a can or drum. Each package is marked with the package number and order number.

Other items, such as sealants, panel closures, light hardware, etc... are boxed & the placed in the trim or fastener packages.

Accessory items, such as vents, doors, windows, etc... are prepackaged in boxes, cartons, crates, or paper wrapped by item, except roll-up doors, which are loaded with rubber spacers.

UNLOADING

Buyer is responsible for unloading materials at the delivery address or jobsite. If shipment is by truck, delivery is made to the nearest safe and accessible point to the job site. It is essential that the Buyer or Buyer's Receiving Agent be prepared with adequate workmen and equipment to meet and unload the shipment promptly at the scheduled time of delivery.

Substantial damage can be done to the materials if careless methods or inadequate equipment is used during unloading. All materials must be lifted from the truck using cranes, forklifts, or hoists of the proper size and capacity. Materials must never be pushed or dropped from the truck. Trim and panel packages need careful handling to avoid damage to these materials, The use of metal slings or chains for lifting trim and panel packages must be avoided. Error in determining the correct balance points, or careless attempts to lift oversize loads can result in damage to items, such as frame members, light gauge roll formed members, or long panel packages. Structural beam flanges can be damaged from improper placement of chains during attempts to unload heavy lifts. Buyer is responsible for all claims, damages, or injuries related to the unloading of materials.

STORAGE

Substantial deterioration and damage can occur to materials during job site storage. Materials should always be assembled or erected promptly on receipt. If assembly must be delayed, materials must be stored under protection.

All materials must be located in areas that are free from standing water. Materials must always be placed well above ground and stacked in a manner that provides free drainage of rain water or condensed moisture. Frame columns, rafters, and other items must be turned so water does not stand inside enclosed portion of members.

Particular care must be exercised in the storage of nested panels (see "Building Panels" published by the Manufacturer for additional information).

Materials should be stored in fenced and/or locked areas to reduce loss by vandalism or theft. Buyer is responsible for all deterioration, damage, loss, or claims related to the job site storage of materials.

RECEIPT

It is the Buyer's responsibility to receive each shipment including verifying all quantities as shown on the Shipping Manifest and inspecting all pieces or packages for damage

Quantities are verified by marking the quantity received on the Shipping Manifest. All shortages of part or package must be noted by Buyer or Buyer's Receiving Agent on the Shipping Manifest .

Buyer must carefully inspect pieces or packages for damage as materials are received. Each damaged part or package must be listed and the damage described on the Shipping Manifest.

All nested or packaged materials must be carefully inspected and any materials that have become wet in transit must be immediately unpacked, unstacked, and dried by Buyer. Particular care must be exercised in receipt of nested panels (see "Building Panels" published by the Manufacturer for additional information).

When all materials have been received and Buyer has identified all shortages or damages on the Shipping Manifest, both Buyer or Buyer's Receiving Agent and the driver of the carrier must sign the Bill of Lading and Shipping Manifest.

All packages must be opened by Buyer and the quantity of each item or part must be verified against the quantity shown on the Shipping List within ten (10) days following receipt of the shipment.

All claims for shortages or damages are subject to the Terms and Conditions of the Contract Documents.

IMPORTANT NOTICE

This material has been coated with a shop-applied primer. The primer is intended to protect the manufactured framing parts for only a short period of exposure to ordinary atmospheric conditions. This primer DOES NOT provide uniformity of appearance, durability and/or corrosion resistance of a field applied finish coat of paint.

The manufacturer IS NOT responsible for deterioration of the shop-applied primer or corrosion that may result from exposure to atmospheric and environmental conditions, nor the compatibility of the primer to any field-applied coating. Minor abrasions to the primer caused by handling, loading, shipping, unloading and erection are unavoidable. Shop-primed steel which is stored in the field pending erection, should be kept free of the ground and positioned as to minimize water-holding pockets, dust, mud and other contamination of the primer film.

METAL BUILDING PANELS

INTRODUCTION

Metal building panels are high qualityconstruction materials. Proper care of these building components can enhance the appearance of a building and will assure full service life. Improper care or lack of maintenance will definitely produce the opposite results. In addition, cost of materials repair or replacement and delays in construction due to problems resulting from lack of care are very expensive. In those instances where lack of care and maintenance is evident, warranties will be voided. These recommendations are presented by the Manufacturer in an effort to help the Buyer protect and insure the appearance and performance of these materials.

TYPES OF FINISHES

GALVALUME

Galvalume is the trade name for a patented steel sheet & coil product having a coating of corrosion resistant aluminum-zinc alloy. The alloy mixture is balanced to obtain the coating that retains the corrosion resistance & heat reflectivity of aluminum & the sacrifical action of galvanized. The best properties of both aluminum & zinc are combined in this coating & offer added service life for building panels.

PRE-PAINTED

Using galvalume steel as a substrate, pre-painted steel is given an additional rust inhibitor primer coat. This primer coat further increases the corrosion resistance. It also permits the use of attractive finish coats formulated to give the best in color and gloss retention. These coatings are applied to the exterior surface of the panels and the wash coat, designed only for interior use, is applied on the opposite side.

Galvalume, and Pre-painted steel can give excellent service for many years if a few rules concerning their care and maintenance are observed. All of these finishes are equally subject to damage and corrosion when care is not provided.

PACKAGING

Packaging of Manufacturer panels is designed to protect materials and prevent material loss during transit. Standard packaging includes wrapping in waterproof paper in bundles not exceeding 3500 pounds in weight. Panel bundles are separated by configuration and and color and loaded separated by configuration.

Bundles are marked with Manufacturer's order number. An envelope marked "Packing List Enclosed" is attached to the bundle in an accessible place. This packing list shows the quantity, length, color and configuration of the panels in the bundles. Most importantly, recommendations for panel care are printed on each bundle.

On all shipments transported by Manufacturer truck or commercial carrier, a waste or extra panel is placed on the bundle top when other materials are to be loaded atop the bundle. Panels transported by motor freight (component shipment) are banded to 2x4 skids at the bottom with an extra panel banded to the top of the bundle.

DAMAGE DURING CONSTRUCTION

The quality of workmanship in steel erection, construction practices, and handling methods used during the construction of the metal building can significantly affect the appearance and performance of the building panels. Most panel damage during construction is the result of faulty methods or carelessness. A good example of faulty methods is found in the installation of panel fasteners. The practice of overdriving these fasteners is fairly common. Overdriven fasteners cause indentations or shallow pockets in the panel around the fastener head. Rain water or condensed moisture combined with atmospheric pollutants (principally sulfur dioxides) and dirt particles collect in these pockets. The combination of pollutants and water creates acid solutions that will cause corrosion damage to the panel and fastener. Rain may wash some pollutants away, but moisture in the form of high humidity can keep these areas wet and continue the problem. Overdriving the fastener also forces the sealing washer from under the fastener head creating a leak at this point. Proper torque adjustment of the screw gun or preferably the use of a depth gauge will eliminate the problem of overdriven fasteners.

It is extremely important that all drill shavings from the installation of panel fasteners and fillings from the saw cutting of panels be removed from the panel surface. Corrosion will occur in a matter of hours when these shavings or fillings are not removed and are allowed to come in contact with water or condensed moisture. When panels are pre-drilled or cut in the stack prior to erection all shavings or fillings must be cleaned from both sides of the panel. Many times these raw steel particles are embedded in the panel finish coat and must be removed with a bristle brush. To prevent corrosion of the panel by these particles it is imperative that the roof be swept clean at least daily and certainly at job completion. The final cleaning of the roof should be done prior to installing the gutter so that the shavings are not deposited into the gutter and left to corrode. Any other foreign objects or debris left by construction personnel should also be removed from the roof.

During the erection of the roof and the installation of equipment such as air conditioning units, etc... carelessness by personnel walking on the panels can cause damage. Workmen should step or walk in the broad flat areas of the panel and avoid stepping on the major corrugations.

Panel ends and edges can be bent by careless handling. If this damage is severe, the edges must be straightened prior to erection since the appearance and/or weather tightness of the panel could be affected. Dragging one panel across another can cut or abrade the coating causing unsightly marks on the panel surface. Attempts to erect panels during windy conditions should be avoided to prevent damage and for safety considerations.

Another cause of panel damage that is consistently overlooked by the builder is the practice of leaving dirt piled against the exterior wall panels at the foundation. This dirt may be wet or at least will contain some moisture. Mud may have been splashed onto the wall during construction. Corrosion damage may occur where this dirt or mud contacts the panels. In areas where lime stabilization of the soil is required, corrosion damage from the soil's content will be accelerated and most likely be severe. All dirt must be removed from the panel walls at the completion of the work.

Pre-painted panels may require touch-up if the coating has been damaged during handling or erection. The appearance of the bldg. may be affected if damaged spots or scratches are located in highly visible places such as around doors, windows, etc... If the damage is extensive then replacement of the entire panel should be considered. Touch-up paint can be supplied by Manufacturer on request. The paint should be applied with a small, soft bristle artist's style brush.

MAINTENANCE

All panel finishes offered by the Manufacturer have excellent durability and provide an attractive appearance for the metal building's exterior. Periodic maintenance will extend the service life and add to the aesthetic value of the building panels.

Only minor maintenance is required for any of the finishes mentioned in this article and consists principally of an occasional thorough cleansing of the panel surface. Air borne dirt and pollutants may cause apparent discoloration of the panels, especially affecting the appearance of the pre-painted steel. Simply washing the building with plain water using hoses or pressure sprays is adequate. If dirt deposits are heavy, a solution of water and mild laundry detergent (1/3 cup detergent per gallon of water) may be used with a long handled, soft bristle brush.

RECEIPT OF MATERIALS

It is the responsibility of the Buyer to receive all shipments from the Manufacturer verifying the quantities received and inspecting the shipment for damage. A document titled "Shipping Manifest" is provided with each load listing the number of bundles of panels as well as other building components. An initial count of the bundles should be made at the time of unloading and any shortage noted on the manifest. Concurrent with the bundle count a close inspection for panels damaged during shipment should be made. It is very important at this time to check for panels that may have become wet during transit. The Buyer is responsible for checking panels and for unstacking and drying these panels to prevent water staining. An exact count of the panels within the bundles verifying the quantities shown on the "Packing List" must be made by the Buyer within fourteen (14) days of the date of delivery and any claim for material shortage filed with the Manufacturer within this time limit.

Notation of shortages or damages made on the shipping manifest should be acknowledged with the signature of the Manufacturer's driver or the carrier's driver or agent.

Claims for shortages or damaged materials on shipments transported by the Manufacturer should be filed with the Manufacturer and claims on shipments transported by common carrier filed with the carrier.

RG0102-0

UNLOADING, STACKING AND STORAGE

Proper unloading and stacking techniques can help prevent unnecessary damage, reduce handling time, and pay dividends in increased erection efficiency.

To assist in unloading panels from the truck, each bundle is loaded with the ends off-set. This allows the unloader to lift one end and insert a wooden block or dunnage under the bundle. Long panel bundles may require two (2) blocks. A forklift or bridle with web slings can now be used to lift the bundle. Under no circumstances should metal slings, chokers or chains be used as lifting devices. Damage to the panels will result from using such devices. Tag lines tied to the bundles and/or ground personnel can guide the materials safely into place. Dunnage should be placed on the ground or building floor spaced 8' on center to receive the bundles. Panel bundles should be stacked separate from the structural steel and in a dry area free from danger of water ponding. If possible, bundles should be stored under roof. For open storage, bundles must be placed on dunnage with one and elevated approximately 24 inches above ground or floor. The lower end should be approximately 4 inches above ground or floor. Dunnage should be placed under the center of long bundles to prevent sagging and water collection. Special attention must be given to keeping the low end out of contact with mud or water. The wrapping at the low end should be opened to allow ventilation and drainage. All bundles or unwrapped panels must be secured to avoid wind damage.

DAMAGE FROM CONDENSATION OR TRAPPED WATER

It is extremely important that the panels be checked at unloading, and then constantly monitored for evidence of trapped water or moisture condensation while awaiting erection. High humidity conditions with temperature cycling will cause condensation between the panels within the bundle. Condensation can occur frequently near the sea coast or other large bodies of water. In addition, panels can become wet by wind-driven rain if the wrappings are torn during handling. If jobsite covers are used, they should be tied away from the bundle at the corners to allow air circulation around the bundle. This will help prevent moisture evaporating from the ground or building floor from condensing on the panels. Plastic or other impermeable covers are not recommended. Immediate action is required if the panels are found to be wet from any cause. The bundles must be opened and each panel unstacked and thoroughly dried on both sides. Re-stacking the panels at a slight angle to each other to prevent nesting will allow air circulation and assist in keeping the panels dry. In severe conditions large fans can be used to circulate air between the unstacked panels and accelerate drying.

Damage to the panel coating occurs when panels become wet and are allowed to stay wet. Damage can occur to nested panels within 24-48 hours. This damage shows as corrosion and discoloration of the panel surface and is commonly called wet storage stain, zinc oxidation, or "white rust". All of the panel finishes discussed earlier in this article are subject to this damage and discoloration. Pre-painted steel is perhaps less vulnerable but by no means exempt. A softening of the paint film can occur with pre-painted steel under wet storage conditions and the durability of the panel finish substantially decreased. Galvanized and Galvalume panels react more quickly to surface oxidation since they lack the additional protection of paint. Zinc coated or Galvalume panels under normal exposure form a zinc or aluminum oxide film on their surface allowing a slow oxidation process called "weathering" to occur that inhibits further corrosion. In nested bundles constant contact of the panels with condensed or trapped water prevents this weathering process. Rapid oxidation of the zinc or zinc aluminum coating can now occur and may lead to "red rust" in a short time.

If discoloration or stains are minor, a household cleaner of the type used on porcelain sinks and bathtubs may be used with a bristle brush to remove the stains. Wire brushing or using abrasive materials should be avoided since scratching or removal of the coating could occur.

Damage from condensation or trapped water adversely affects the service life of metal building panels. Panels with significant damage should be replaced by the Buyer before erection.

Rev.#	Description	Det.	Chk.	Date
△				
△				
△				

MESCO Building Solutions

Sheet Description		Buyer	Q Number	Order Number
REFERENCE DRAWING		Simque Construction	-	22-3680
Operator	Date	End Customer	MBMA	Sheet Number
KEB	10-07-05	Rimrock Development, Inc		RG0102-0

HARLEY DAVIDSON LICENSE No. 38305 STATE OF FLORIDA PROFESSIONAL ENGINEER NOV 03 2005

(RefDwgs NCI 07.17.2002) KEB: 10-07-05 R4/23

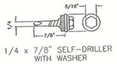
RG0103-0

SELF-DRILLING STITCH FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO PANEL SIDELAPS, TRIMS TO PANEL, TRIMS TO TRIMS AND AS THE CUTTER SUPPORT FASTENER.

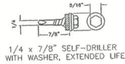
STITCH FASTENERS
Part No. S17fc
fc = Finish Code



1/4 x 7/8" SELF-DRILLER WITH WASHER

STANDARD LIFE

STITCH FASTENERS
Part No. S17fc-Z
fc = Finish Code



1/4 x 7/8" SELF-DRILLER WITH WASHER, EXTENDED LIFE

EXTENDED LIFE

SELF-DRILLING STRUCTURAL FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO FRAMING AT EXTERIOR ROOF AND WALL PANEL WITH A MAXIMUM OF 4" OF BLANKET INSULATION.

STRUCTURAL FASTENERS
Part No. S210fc
fc = Finish Code

#12 x 1-1/4" SELF-DRILLER WITH WASHER

STANDARD LIFE

STRUCTURAL FASTENERS
Part No. S210fc-Z
fc = Finish Code

#12 x 1-1/4" SELF-DRILLER WITH WASHER, EXTENDED LIFE

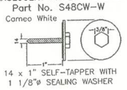
EXTENDED LIFE

SELF-TAPPING STRUCTURAL FASTENERS

THESE FASTENERS REQUIRE PRE-DRILLING A PILOT HOLE

THIS FASTENER IS THE TRANSLUCENT ROOF PANEL TO FRAMING FASTENER.

TRANSLUCENT PANEL FASTENERS
Part No. S48CW-W
Cameo White



14 x 1" SELF-TAPPER WITH 1 1/8"ø SEALING WASHER

SELF-DRILLING STRUCTURAL FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO FRAMING AT POLAR WHITE OR UNPAINTED, LINER AND INTERIOR PARTITION PANELS.

STRUCTURAL FASTENERS
Part No. S27PW-N
Polar White

#12 x 7/8" SELF-DRILLER WITHOUT WASHER

STANDARD LIFE ONLY

STRUCTURAL FASTENERS
Part No. S27CR-N
Corrosion Resistant

#12 x 7/8" SELF-DRILLER WITHOUT WASHER

STANDARD LIFE ONLY

SELF-DRILLING STRUCTURAL FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

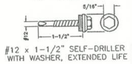
SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO FRAMING AT EXTERIOR ROOF AND WALL PANEL WITH OVER 4" OF BLANKET INSULATION TO A MAXIMUM OF 6" OF BLANKET INSULATION.

STRUCTURAL FASTENERS
Part No. S212fc
fc = Finish Code

#12 x 1-1/2" SELF-DRILLER WITH WASHER

STANDARD LIFE

STRUCTURAL FASTENERS
Part No. S212fc-Z
fc = Finish Code



#12 x 1-1/2" SELF-DRILLER WITH WASHER, EXTENDED LIFE

EXTENDED LIFE

SELF-TAPPING STRUCTURAL FASTENERS

THESE FASTENERS REQUIRE PRE-DRILLING A PILOT HOLE

SOME OF THE COMMON USES FOR THESE FASTENERS ARE THRU PANEL TO FRAMING AT ROOF TO WALL TRANSITIONS AND AT HIGH SIDE EAVE TRIMS.

STRUCTURAL FASTENERS
Part No. S416CR
Corrosion Resistant

14 x 2" SELF-TAPPING WITH WASHER

SELF-DRILLING STRUCTURAL FASTENERS

THESE FASTENERS DRILL & TAP IN ONE OPERATION

SOME OF THE COMMON USES FOR THESE FASTENERS ARE PANEL TO FRAMING AT SOFFIT, FACIA, BACK PANEL AND MINI-WHSE EXTERIOR PANEL. ALSO AT PANEL TO FRAMING AT LINER AND INTERIOR PARTITION PANELS NOT POLAR WHITE OR UNPAINTED.

STRUCTURAL FASTENERS
Part No. S27fc
fc = Finish Code

#12 x 7/8" SELF-DRILLER WITH WASHER

STANDARD LIFE ONLY

POP RIVET 1/8 X 3/16 GRIP

THESE POP RIVETS ARE USED AT TRIM ENDLAPS

Part No. PR13fc
fc = Finish Code

POP RIVET 5/32 X 1/4"

THESE POP RIVETS ARE USED AT VALLEY AND PARAPET GUTTER ENDLAPS

Part No. PR24AL
ALUMINUM

RECOMMENDED INSTALLATION TOOLS & BITS

1. RECOMMENDED TOOL – AN 1800 rpm MAXIMUM, 4 TO 6 AMP SCREW GUN EQUIPPED WITH A DEPTH LOCATING NOSE PIECE. USE ADEQUATE CORDAGE TO PREVENT VOLTAGE DROP AT TOOL.
2. RECOMMENDED SOCKETS AND BITS:
   SELF-DRILING SOCKETS – ONE PIECE 5/16" HEX
   SELF-TAPPING SOCKETS – ONE PIECE 3/8" HEX
   BITS – 1/8" PANEL TO PANEL: #10 (.195)
   BITS – 1/8" PANEL OR TRIM TO FRAMING: #8 (.199)
   BIT SIZE FOR 1/8" POP RIVET IS #30 (.1285)
   BIT SIZE FOR 5/32" POP RIVET IS #20 (.161)

RECOMMENDED INSTALLATION GUIDELINES

1. DO NOT USE IMPACT TOOLS OR NUT RUNNERS TO INSTALL SCREWS.
2. REPLACE AND CLEAN SOCKETS OFTEN. THIS WILL ALLOW SCREWS TO SEAT PROPERLY IN THE SOCKET AND PREVENT "WOBBLING".
3. ALWAYS DRIVE SCREW PERPENDICULAR TO THE WORK SURFACE. THIS WILL PREVENT SCREW "WALKING" OR PANEL/TRIM DAMAGE.
4. INCORRECT FASTENER INSTALLATION CAN RESULT IN FASTENER FAILURE, WATER LEAKS, AND/OR PREMATURE DETERIORATION OF PANEL/SCREW.
5. POP RIVETS REQUIRE CONNECTING PARTS TO BE PRE-DRILLED AND INSTALLED WITH AN ADEQUATE TOOL.

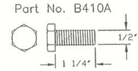
A307 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

SOME OF THE COMMON USES FOR THESE BOLT/NUT ASSEMBLIES ARE PURLIN, GIRT, EAVESTRUT AND FLANGE BRACE TO FRAME CONNECTIONS. ALSO END FRAME COLUMN TO END FRAME RAFTER CONNECTIONS.

Assembly No. BN410AA

Part No. B410A



1/2" Dia. x 1-1/4"
A307 Hex Head Bolt
Finish = Plated

Part No. N4A

1/2" Dia.
A563 Hex Nut
Finish = Plated

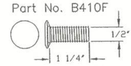
A307 FINNECK BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

SOME OF THE COMMON USES FOR THESE BOLT/NUT ASSEMBLIES ARE HEADER TO JAMB AND JAMB TO GIRT AND JAMB TO BASE CLIP CONNECTIONS.

Assembly No. BN410FA

Part No. B410F



1/2" Dia. x 1-1/4"
A307 Finneck Bolt
Finish = Plated

Part No. N4A

1/2" Dia.
A563 Hex Nut
Finish = Plated

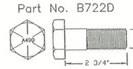
A490 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE MAIN FRAME COLUMN TO MAIN FRAME RAFTER CONNECTIONS.

Assembly No. BN722DD

Part No. B722D



7/8" Dia. x 2 3/4"
A490 Hex Head Bolt
Finish = Plain (Black)

Part No. N7D

7/8" Dia.
A563 Hex Nut
Finish = Plain (Black)

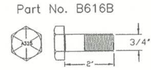
A325 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE MAIN FRAME COLUMN TO MAIN FRAME RAFTER CONNECTIONS.

Assembly No. BN616BB

Part No. B616B



3/4" Dia. x 2"
A325 Hex Head Bolt
Finish = Plated

Part No. N6B

3/4" Dia.
A563 Hex Nut
Finish = Plated

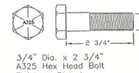
A325 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE MAIN FRAME COLUMN TO MAIN FRAME RAFTER CONNECTIONS.

Assembly No. BN622BB

Part No. B622B



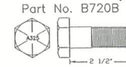
3/4" Dia. x 2 3/4"
A325 Hex Head Bolt
Finish = Plated

Part No. N6B

3/4" Dia.
A563 Hex Nut
Finish = Plated

Assembly No. BN720BB

Part No. B720B



7/8" Dia. x 2 1/2"
A325 Hex Head Bolt
Finish = Plated

Part No. N7B

7/8" Dia.
A563 Hex Nut
Finish = Plated

Assembly No. BN410BB

Part No. B410B

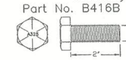
1/2" Dia. x 1 1/4"
A325 Hex Head Bolt
Finish = Plated

Part No. N4B

1/2" Dia.
A563 Hex Nut
Finish = Plated

Assembly No. BN416BB

Part No. B416B



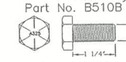
1/2" Dia. x 2"
A325 Hex Head Bolt
Finish = Plated

Part No. N4B

1/2" Dia.
A563 Hex Nut
Finish = Plated

Assembly No. BN510BB

Part No. B510B



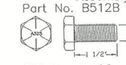
5/8" Dia. x 1 1/4"
A325 Hex Head Bolt
Finish = Plated

Part No. N5B

5/8" Dia.
A563 Hex Nut
Finish = Plated

Assembly No. BN512BB

Part No. B512B



5/8" Dia. x 1 1/2"
A325 Hex Head Bolt
Finish = Plated

Part No. N5B

5/8" Dia.
A563 Hex Nut
Finish = Plated

RG0104-1

A325 HEX HEAD BOLT/NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE MAIN FRAME COLUMN TO MAIN FRAME RAFTER CONNECTIONS.

Assembly No. BN516BB

Part No. B516B

5/8" Dia. x 2 "
A325 Hex Head Bolt
Finish = Plated

Part No. N5B

5/8" Dia.
A563 Hex Nut
Finish = Plated

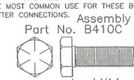
A354 HEX HEAD BOLT/A490 NUT ASSEMBLIES

INSTALLATION OF THESE BOLTS IS TO BE "SNUG TIGHT"

THE MOST COMMON USE FOR THESE BOLTS IS THE BUILT-UP COLUMN TO BUILT-UP RAFTER CONNECTIONS.

Assembly No. BN410CD

Part No. B410C



1/2" Dia. x 1 1/4"
A354 Hex Head Bolt
Finish = Plated

Part No. N4D

1/2" Dia.
A563 Hex Nut
Finish = Plain (Black)

Assembly No. BN416CD

Part No. B416C

1/2" Dia. x 2 "
A354 Hex Head Bolt
Finish = Plated

Part No. N4D

1/2" Dia.
A563 Hex Nut
Finish = Plain (Black)

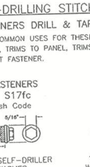
BOLT INSTALLATION INFORMATION

"SNUG TIGHT CONDITION"

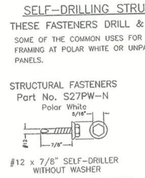
SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS OBTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.

RG0105-0

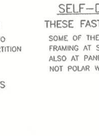
POP RIVETS AT TRIM SPLICES



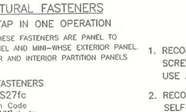
PART NO : TR___
BASE TRIM (4) POP RIVETS



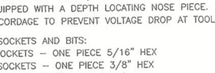
PART NO : TE1
HIGH SIDE TRIM (6) POP RIVETS



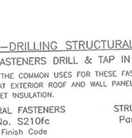
PART NO : TF ___
CLOSURE TRIM (10) POP RIVETS



PART NO : TH5
SLIDE DOOR HEAD TRIM (6)
POP RIVETS



PART NO : TK4
SOFFIT CAP TRIM (8) POP RIVETS

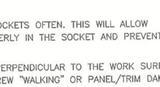


PART NO : TC1
CORNER TRIM (8) POP RIVETS

PART NO : TE3 ___
EAVE TRIM (3) POP RIVETS

PART NO : TF8
BACKING TRIM (3) POP RIVETS

PART NO : TK1
ANGLE TRIM (3) POP RIVETS



PART NO : TK ___
FACIA CAP TRIM (5) POP RIVETS

PART NO : TC1
CORNER TRIM (3) POP RIVETS

PART NO : TF1
PARTITION TRIM (4) POP RIVETS

PART NO : TH ___
HEAD TRIM (4) POP RIVETS

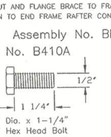
PART NO : TK ___
CAP TRIM (4) POP RIVETS

NOTES:
WHERE TUBE SEALANT IS REQ'D. FOR TRIM LAPS, BRONZE SEALANT IS PROVIDED FOR BRONZE TRIM, WHITE TUBE SEALANT IS PROVIDED FOR ALL OTHER FINISHES.

NOTES:
USE COLOR MATCH POP RIVETS FOR THE FOLLOWING COLORS: AG, BS, CW, DG, DS, FN, LS, PW, RR, AND ST. ALL OTHER COLORS USE STAINLESS STEEL POP RIVETS.

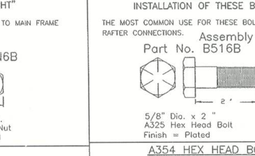
RG0106-0

POP RIVETS AT TRIM SPLICES



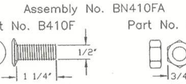
PART NO : TR ___
RAKE TRIM (6) POP RIVETS

PART NO : TU ___
SPACER TRIM (3) POP RIVETS

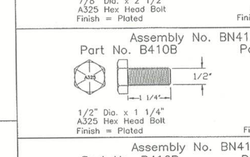


PART NO : APX ___
PEAK CAP (6) POP RIVETS
(PLASTIC)

PART NO : TS ___
JAMB/SIDE TRIM (6) POP RIVETS



PART NO : TT ___
TRANSITION TRIM (5) POP RIVETS



PART NO : TX ___
PEAK CAP (6) POP RIVETS
(STEEL)

NOTES:
WHERE TUBE SEALANT IS REQ'D. FOR TRIM LAPS, BRONZE SEALANT IS PROVIDED FOR BRONZE TRIM & WHITE TUBE SEALANT IS PROVIDED FOR ALL OTHER FINISH CODED TRIMS.

NOTES:
USE COLOR MATCH POP RIVETS FOR THE FOLLOWING COLORS: AG, BS, CW, DG, DS, FN, LS, PW, RR, AND ST. ALL OTHER COLORS USE STAINLESS STEEL POP RIVETS.

Rev.#	Description	Det.	Chk.	Date
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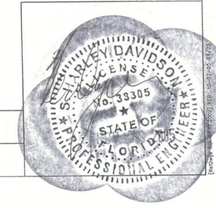
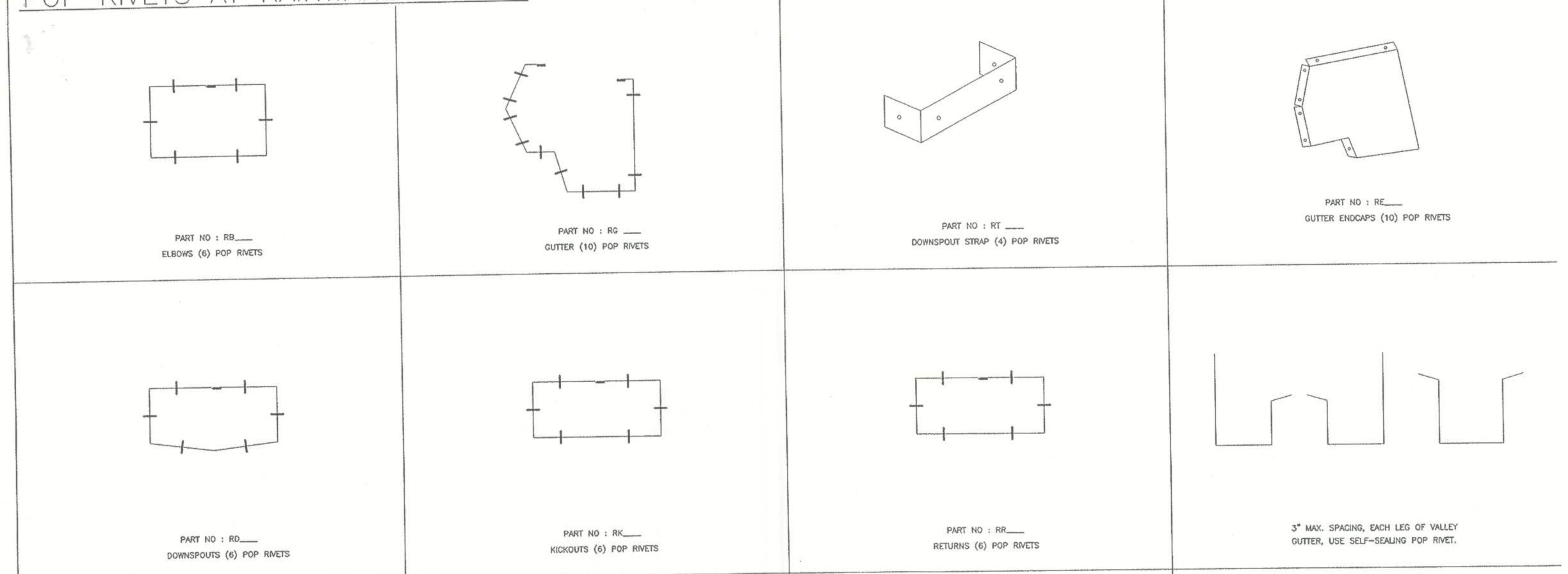
MBCO Building Solutions
P.O. Box 93529, Southlake, TX. Zip 76092 817-488-8011

Sheet Description: REFERENCE DRAWING		Buyer: Simque Construction	Q Number: -
Operator: KEB	Date: 10-07-05	End Customer: Rimrock Development, Inc	Order Number: 22-3680
		MBMA METAL BUILDING MANUFACTURERS ASSOCIATION	Sheet Number: RG0106-0



RG0107-0

POP RIVETS AT RAINWARE SPLICES



NOTES:
WHERE TUBE SEALANT IS REQ'D. FOR TRIM LAPS, BRONZE SEALANT IS PROVIDED FOR BRONZE TRIM/RAINWARE & WHITE TUBE SEALANT IS PROVIDED FOR ALL OTHER FINISH CODED TRIMS/RAINWARE.

NOTES:
USE COLOR MATCH POP RIVETS FOR THE FOLLOWING COLORS: AG, BS, CW, DG, DS, FN, LS, PW, RR, AND ST. ALL OTHER COLORS USE STAINLESS STEEL POP RIVETS.

RG0108-0

DEALER / CONTRACTOR RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE DEALER/CONTRACTOR TO INSURE THAT ALL PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT MESCO METAL BUILDINGS OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT.

THE DEALER/CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.

APPROVAL OF MESCO'S DRAWINGS AND CALCULATIONS INDICATE THAT MESCO METAL BUILDINGS CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.2.1 AISC CODE OF STANDARD PRACTICES, 9TH ED.)

WHERE DISCREPANCIES EXIST BETWEEN MESCO'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE 9TH ED.)

DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY MESCO METAL BUILDINGS ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN MESCO METAL BUILDING'S ENGINEERS UNLESS SPECIFICALLY INDICATED.

THE DEALER/CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH MESCO METAL BUILDING'S "FOR CONSTRUCTION" DRAWINGS.

ALL BRACING AS SHOWN AND PROVIDED BY MESCO FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.

TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSEWORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE THE STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION OR COLLISION. (SECT. 7.9.1 AISC CODE OF STANDARD PRACTICE, 9TH ED.)

GENERAL NOTES

THE STRUCTURE UNDER THIS PURCHASE ORDER HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE PURCHASE ORDER AND SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE AND DIRECTION OF A REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. MESCO METAL BUILDINGS WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.

THIS METAL BUILDING IS DESIGNED WITH MESCO METAL BUILDING'S STANDARD PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES.

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION: "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDIINGS"
2. AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS"
3. AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.1.
4. METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL"
5. INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS: "UNIFORM BUILDING CODE"
6. SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL: "STANDARD BUILDING CODE"
7. BUILDING OFFICIAL AND CODE ADMINISTRATORS INTERNATIONAL: "BOCA NATIONAL BUILDING CODE"

SHOP AND FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE DEALER/CONTRACTOR, UNLESS STIPULATED OTHERWISE IN THE CONTRACT.

SAFETY COMMITMENT

MESCO METAL BUILDINGS HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF MESCO METAL BUILDINGS.

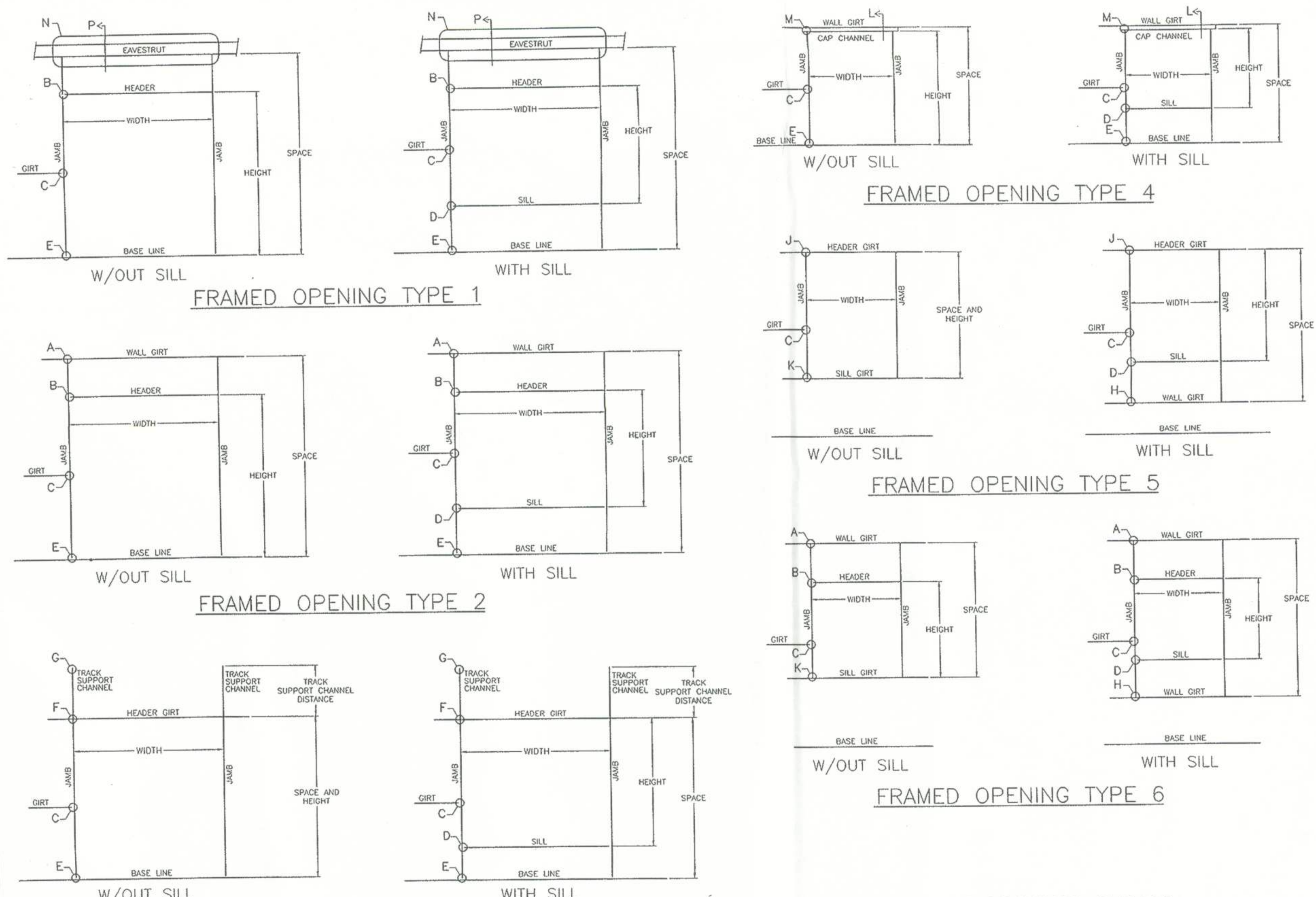
IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE.

LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKER SAFETY.

MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING. EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES.

DAILY MEETINGS HIGHLIGHTING SAFETY PROCEDURES ARE ALSO RECOMMENDED. THE USE OF HARD HATS, RUBBER SOLE SHOES FOR ROOF WORK, PROPER EQUIPMENT FOR HANDLING MATERIAL, AND SAFETY NETS WHERE APPLICABLE, ARE RECOMMENDED.

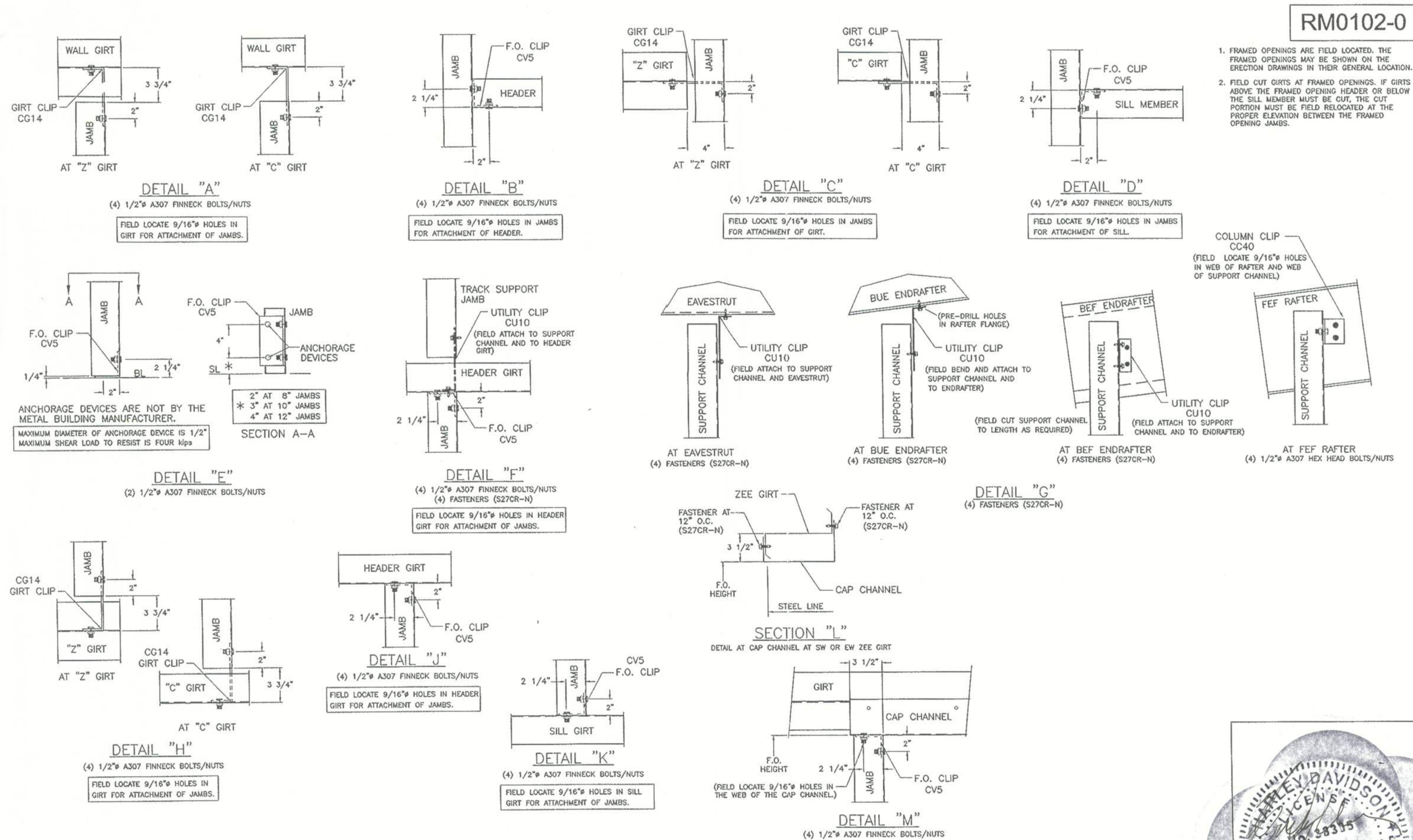
RM0101-0



SEE REFERENCE DRAWINGS RM0102 AND RM0103 FOR CONNECTION DETAILS

RM0102-0

1. FRAMED OPENINGS ARE FIELD LOCATED. THE FRAMED OPENINGS MAY BE SHOWN ON THE ERECTION DRAWINGS IN THEIR GENERAL LOCATION.
2. FIELD CUT GIRTS AT FRAMED OPENINGS. IF GIRTS ABOVE THE FRAMED OPENING HEADER OR BELOW THE SILL MEMBER MUST BE CUT, THE CUT PORTION MUST BE FIELD RELOCATED AT THE PROPER ELEVATION BETWEEN THE FRAMED OPENING JAMBS.



Rev.#	Description	Det.	Chk.	Date
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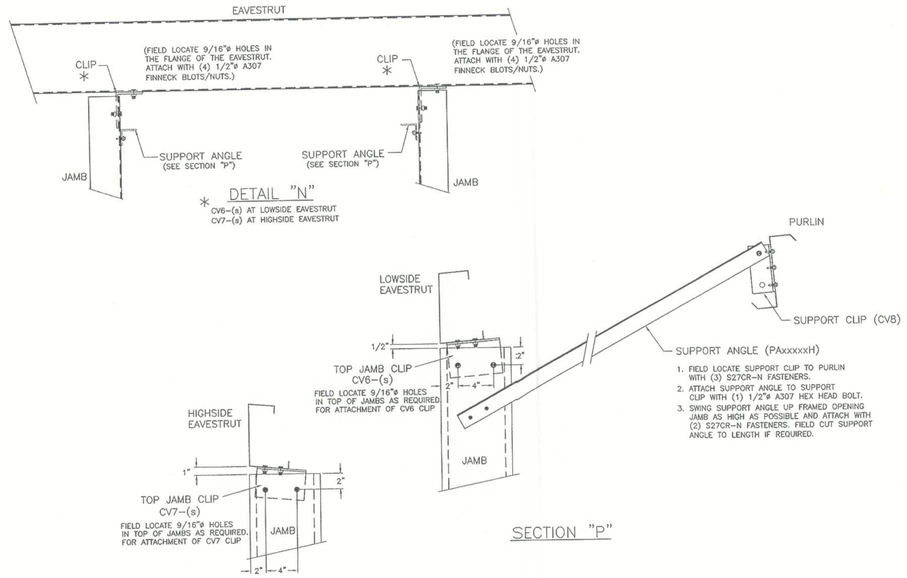
MESCO Building Solutions
P.O. Box 93629, Southlake, TX. Zip 76092 817-488-8511

Sheet Description: REFERENCE DRAWING		Buyer: Simque Construction	Q Number: -	Order Number: 22-3680
Operator: KEB	Date: 10-07-05	End Customer: Rimrock Development, Inc	MBMA	Sheet Number: RM0102-0

RM0103-0

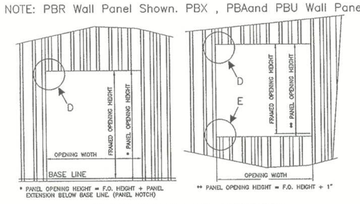
1. FRAMED OPENINGS ARE FIELD LOCATED. THE FRAMED OPENINGS MAY BE SHOWN ON THE ERECTION DRAWINGS IN THEIR GENERAL LOCATION.
2. FIELD CUT GIRTS AT FRAMED OPENINGS. IF GIRTS ABOVE THE FRAMED OPENING HEADER OR BELOW THE SILL MEMBER MUST BE CUT, THE CUT PORTION MUST BE FIELD RELOCATED AT THE PROPER ELEVATION BETWEEN THE FRAMED OPENING JAMBS.



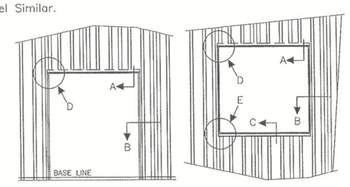
1. FIELD LOCATE SUPPORT CLIP TO PURLIN WITH (3) S27CR-N FASTENERS.
2. ATTACH SUPPORT ANGLE TO SUPPORT CLIP WITH (1) 1/2"ø A307 HEX HEAD BOLT.
3. SWING SUPPORT ANGLE UP FRAMED OPENING JAMB AS HIGH AS POSSIBLE AND ATTACH WITH (2) S27CR-N FASTENERS. FIELD CUT SUPPORT ANGLE TO LENGTH IF REQUIRED.

RM0104-1

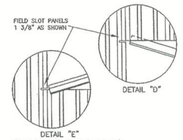
NOTE: PBR Wall Panel Shown. PBX , PBAand PBU Wall Panel Similar.



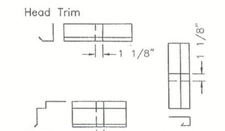
FRAMED OPENING PANEL PREPARATION



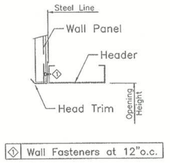
JAMB, HEAD AND SILL TRIM INSTALLATION



SLIDE HEAD/SILL TRIM IN SLOT AND CENTER ABOUT CL OF OPN'G. CAULK TRIM AT SLOT (LENGTH OF SLOT IS NOT TO EXCEED + 1/4")

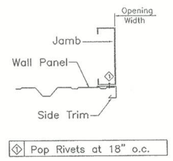


TRIM SPLICES



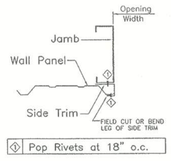
Wall Fasteners at 12"o.c.

SECTION "A"



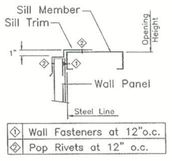
Pop Rivets at 18" o.c.

SECTION "B1"



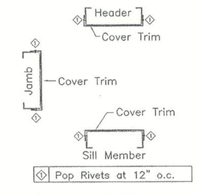
Pop Rivets at 18" o.c.

SECTION "B2"



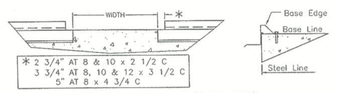
Wall Fasteners at 12"o.c.
Pop Rivets at 12" o.c.

SECTION "C"

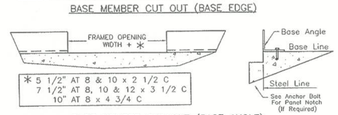


Pop Rivets at 12" o.c.

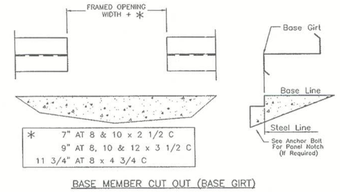
COVER TRIMS



BASE MEMBER CUT OUT (BASE EDGE)



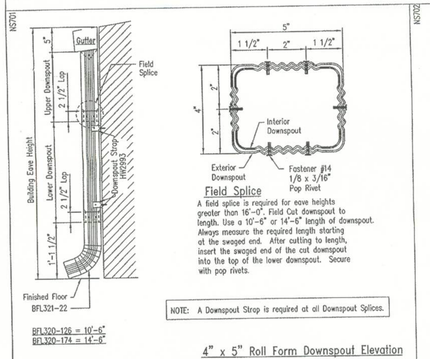
BASE MEMBER CUT OUT (BASE ANGLE)
(BASE CHANNEL SIMILAR)



BASE MEMBER CUT OUT (BASE GIRT)

RR0305-0

NS701



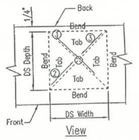
4" x 5" Roll Form Downspout Elevation

Field Splice

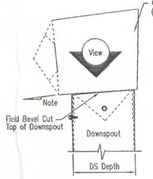
A field splice is required for eave heights greater than 16'-0". Field Cut downspout to length. Use a 10'-6" or 14'-6" length of downspout. Always measure the required length starting at the swaged end. After cutting to length, insert the swaged end of the cut downspout into the top of the lower downspout. Secure with pop rivets.

NOTE: A Downspout Strap is required at all Downspout Splices.

NS702



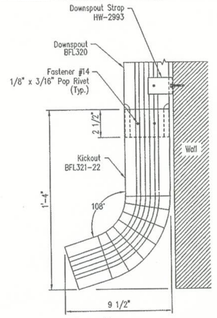
View



1. Refer to the building erection drawings for the location and spacing of the downspouts.
2. Locate all downspouts over a major panel rib if possable.
3. Make a cardboard template of the downspout shape . Place the template on the bottom of the gutter and trace the outline. Remove the template and draw a line from corner to corner, forming an "X" pattern.
4. Drill a whole at the center of the "X". Using tin snips, cut along the lines of the X only. Do not cut along the outside lines of the downspout square.
5. Bend each triangular tab down toward the ground, 90 Degrees to the bottom of the gutter.
6. Position the top of the downspout under the gutter. Make sure all four gutter tabs are on the inside of the downspout.
7. Install Fastener #4 1/4-14 X 7/8 Lap Tek self drilling fastener through the downspout into the gutter tab. Only the two sides and the front of the downspout will receive fasteners.

Downspout To Gutter Attachment Detail

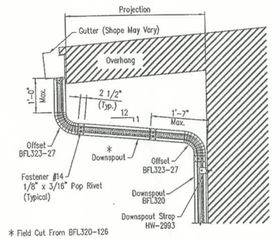
NS703

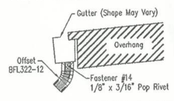


4" x 5" Roll-Form

Downspout Kickout

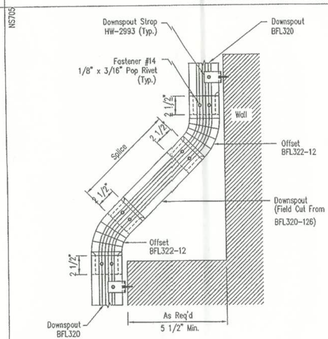
NS704





Eave Canopy Downspout Detail

NS705

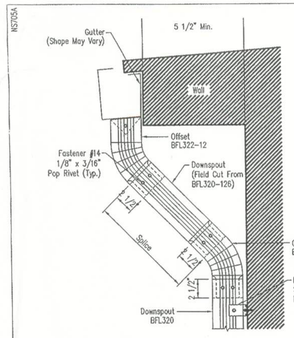


4" x 5" Roll-Form

Wall Offset

RR0306-0

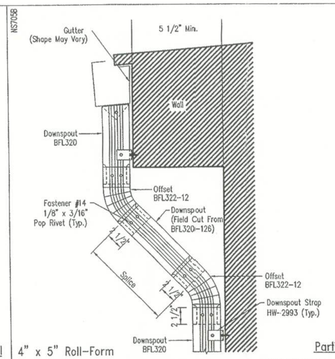
NS705A



4" x 5" Roll-Form

Full Height Open Wall

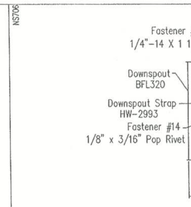
NS705B



4" x 5" Roll-Form

Partially Open Wall

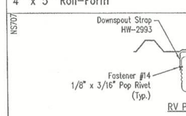
NS706



4" x 5" Roll-Form

Downspout Strap Attachment Detail

NS707

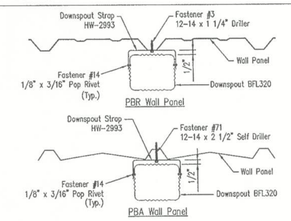


RV PBR Wall Panel

4" x 5" Roll-Form

Downspout Strap Attachment Detail

NS707



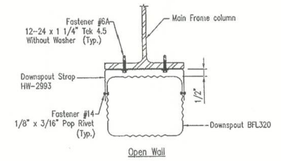
PBR Wall Panel

PBA Wall Panel

4" x 5" Roll-Form

Downspout Strap Attachment Detail

NS708

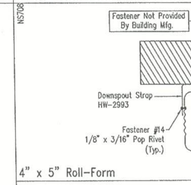


Open Wall

4" x 5" Roll-Form

Downspout Strap Attachment Detail

NS708



4" x 5" Roll-Form

Downspout Strap Attachment Detail

Rev.#	Description	Det.	Chk.	Date

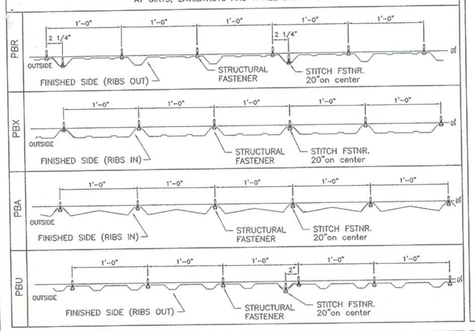
AEGECO Building Solutions
P.O. Box 93629, Southlake, TX. Zip 76092 817-488-8511

Sheet Description	Buyer	Q Number	Order Number
REFERENCE DRAWING	Simque Construction	-	22-3680
Operator: KEB / Date: 10-07-05	End Customer: Rimrock Development, Inc	MBMA	Sheet Number: RR0306-0

STANLEY DAVIDSON BARNHILL No. 38305 STATE OF FLORIDA PROFESSIONAL ENGINEER

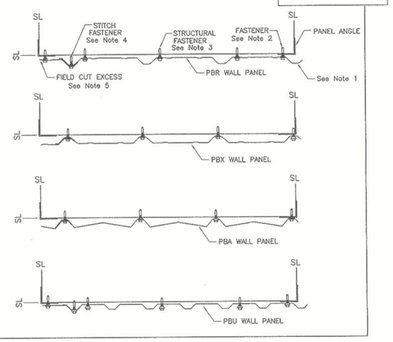
RW0101-1

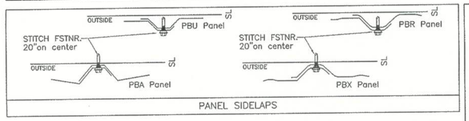
PANEL PROFILE and POSITION and PANEL TO FRAMING FASTENER SPACING AT GIRTS, EAVESTRUTS AND PANEL BASE MEMBER

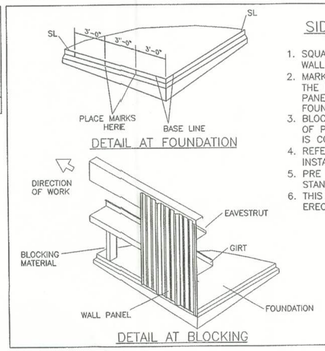


SIDEWALL PANEL INSTALLATION NOTES

1. START FIRST SIDEWALL PANEL AT CORNER WITH THE CENTER LINE OF THE MAJOR RIB ALIGNED WITH THE ENDWALL STEEL LINE.
2. INSTALL ONE FASTENER AT CORNER OF EACH FRAMING MEMBER TO HOLD PANEL IN PLACE UNTIL REMAINING FASTENERS CAN BE INSTALLED.
3. ATTACH PANEL TO FRAMING MEMBERS AT PANEL TO FRAMING FASTENER SPACING. REFER TO ERECTION DRAWING FOR FASTENER TYPE AND COLOR.
4. INSTALL NEXT PANEL LAPPING RIBS. ATTACH PANEL TO PANEL USING FASTENERS AT STITCH FASTENER SPACING. REFER TO ERECTION DRAWINGS FOR FASTENER TYPE AND COLOR.
5. CONTINUE SHEETING SIDEWALL CHECKING VERTICAL ALIGNMENT AND COVERAGE. PANEL MAY END AT MAJOR RIB OR REQUIRE FIELD CUTTING. REFER TO ERECTION DRAWINGS FOR PANEL LAYOUT.







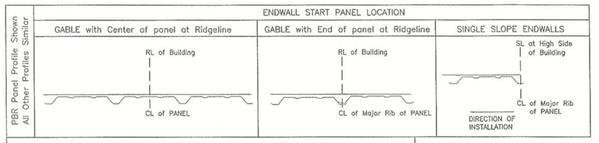
SIDEWALL PANEL GENERAL NOTES

1. SQUARE AND PLUMB BUILDING PRIOR TO INSTALLATION OF WALL PANELS.
2. MARK FOUNDATION AT BASE LINE AT 3 FT. INCREMENTS FOR THE LENGTH OF THE SIDEWALL TO USE WHILE INSTALLING PANEL TO INSURE PANEL COVERAGE. REFER TO DETAIL AT FOUNDATION.
3. BLOCK GIRTS TO LEVEL. IF REQUIRED, PRIOR TO INSTALLATION OF PANELS. LEAVE BLOCKING INPLACE UNTIL PANEL INSTALLATION IS COMPLETE. REFER TO DETAIL AT BLOCKING.
4. REFER TO SIDEWALL PANEL INSTALLATION NOTES FOR PANEL INSTALLATION.
5. PRE DRILLING OF PANEL SIDELAP IS RECOMMENDED. REFER TO STANDARD DRAWING FOR RECOMMENDED FASTENER INSTALLATION.
6. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE ERECTION DRAWINGS AND OTHER DRAWINGS OF THIS SERIES.

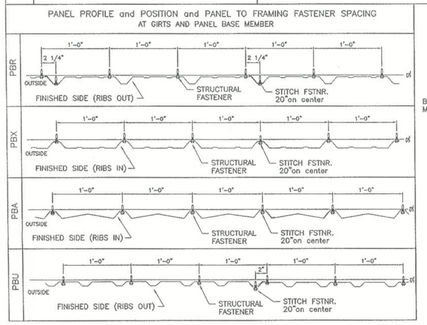
RW0102-1

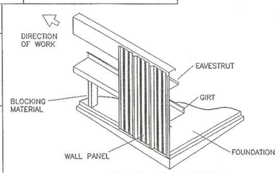
ENDWALL START PANEL LOCATION

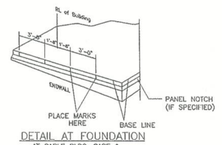
PBR Panel Profile Shown All Other Profiles Similar

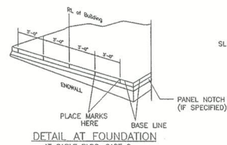


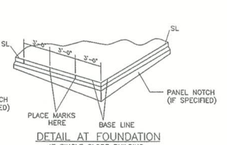
PANEL PROFILE and POSITION and PANEL TO FRAMING FASTENER SPACING AT GIRTS AND PANEL BASE MEMBER

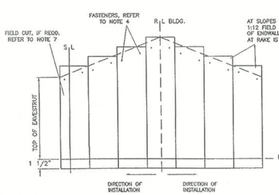


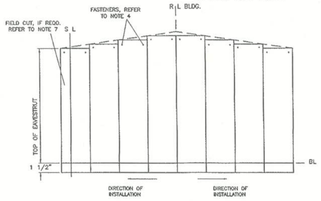


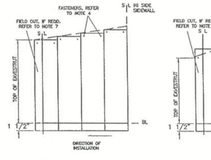


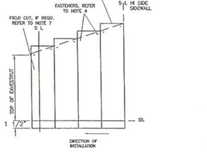












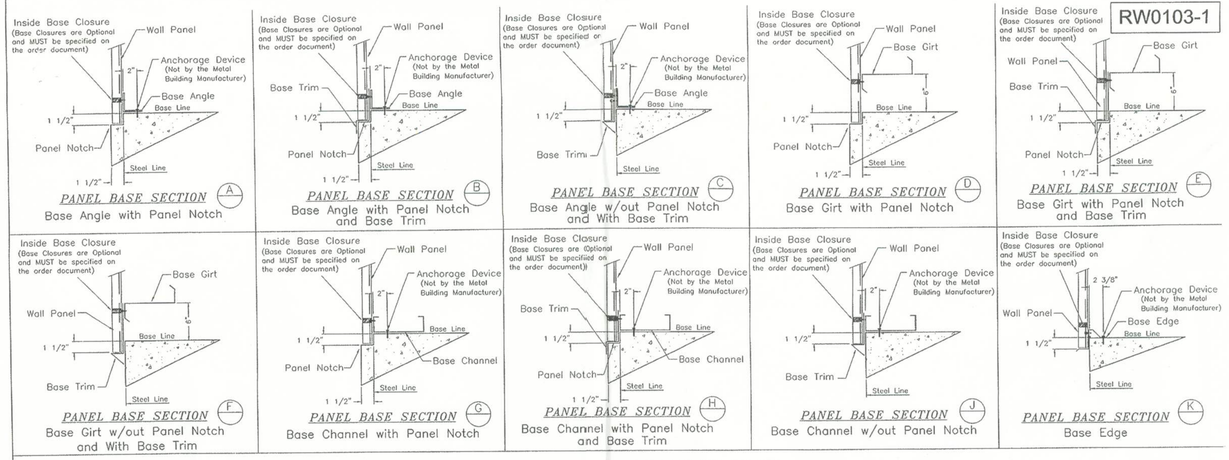
ENDWALL PANEL GENERAL NOTES:

1. SQUARE AND PLUMB BUILDING PRIOR TO INSTALLATION OF WALL PANELS.
2. MARK FOUNDATION AT BASE LINE AT 3 FT. INCREMENTS FOR THE WIDTH OF THE ENDWALL WHILE INSTALLING PANEL TO INSURE ALIGNMENT AND PANEL COVERAGE. REFER TO "DETAIL AT FOUNDATION" FOR MARK LOCATIONS.
3. BLOCK GIRTS TO LEVEL. IF REQUIRED, PRIOR TO INSTALLATION OF PANEL. LEAVE BLOCKING INPLACE UNTIL PANEL INSTALLATION IS COMPLETE. REFER TO "DETAIL AT BLOCKING"
4. REFER TO ENDWALL PANEL INSTALLATION NOTES FOR PANEL INSTALLATION.
5. PRE DRILLING OF PANEL SIDELAP IS RECOMMENDED. REFER TO STANDARD DRAWINGS FOR RECOMMENDED FASTENER INSTALLATION.
6. THIS DRAWING IS TO BE USED IN CONJUNCTION WITH THE ERECTION DRAWINGS AND OTHER DRAWINGS OF THIS SERIES.

ENDWALL PANEL INSTALLATION NOTES:

1. ENDWALL START PANEL LOCATION FOR GABLE BLDG. CASE 1 IS LOCATED BY ALIGNING CENTER LINE OF PANEL WITH THE RIDGELINE OF THE BLDG. AS SHOWN IN ENDWALL START PANEL LOCATIONS.
2. ENDWALL START PANEL LOCATION FOR GABLE BLDG. CASE 2 IS LOCATED BY ALIGNING CENTER LINE OF THE MAJOR RIB WITH THE RIDGE LINE OF THE BLDG. AS SHOWN IN ENDWALL START PANEL LOC.
3. ENDWALL START PANEL LOCATION FOR SINGLE SLOPE ENDWALL IS LOCATED BY ALIGNING THE CENTER LINE OF THE MAJOR RIB WITH THE HIGH SIDE STEEL LINE AS SHOWN IN ENDWALL START PANEL LOCATIONS, SINGLE SLOPE ENDWALL.
4. REFER TO THE ERECTION DWGS FOR PANEL TYPE & CASE CONDITION OF YOUR ENDWALL.
5. INSTALL (2) FASTENERS PER PANEL THRU TO PANEL ANGLE TO TEMPORARILY HOLD PANEL IN PLACE UNTIL REMAINING FASTENERS CAN BE INSTALLED. REFER TO ERECTION DRAWINGS FOR FASTENER TYPE AND COLOR.
6. ATTACH PANEL TO FRAMING AT PANEL TO FRAMING FASTENER SPACING. REFER TO ERECTION DWGS. FOR FASTENER TYPE AND COLOR.
7. INSTALL NEXT PANEL LAPPING RIBS WITH PREVIOUSLY INSTALLED PANEL. SECURE PANEL TO PANEL AT LAPPED RIBS WITH FASTENERS AT STITCH FASTENER SPACING. REFER TO ERECTION DRAWINGS FOR FASTENER TYPE AND COLOR.
8. CONTINUE SHEETING ENDWALL CHECKING VERTICAL ALIGNMENT AND PANEL COVERAGE. PANEL MAY END AT MAJOR RIBS OR REQUIRE FIELD CUTTING. REFER TO ERECTION DWGS. FOR PANEL LAYOUT

RW0103-1



BASE ANGLE INSTALLATION NOTES:

1. Base angle is furnished as a standard component of the building unless one of the optional panel base members is specified. Base angle is in standard lengths of 25 feet.
2. Base angle is omitted at all framed openings. See other reference drawings for base member cut outs.
3. Attach base angle to foundation. Consult anchorage device manufacturer for recommended fastening to safely resist a lateral load of 168 lbs/ft of base angle. Suggested minimum fastening is 1/4"ø X 1 1/4" drive pin or expansion bolt at 4'-0" o.c. Minimum edge distance is 2"

BASE GIRT INSTALLATION NOTES:

1. Base girt is furnished as an optional component of the building.
2. Web holes for clips and/or flange clips are provided in all frame and endwall columns and web holes for clips in framed opening jambs for attachment of base girt. Field drill holes for base girt attachment in fixed base columns.
3. In the case of personnel doors the base girt must be field cut at the door frame and either welded directly to the door frame or a clip must be welded to the door frame and a girt field drilled for a bolted connection.

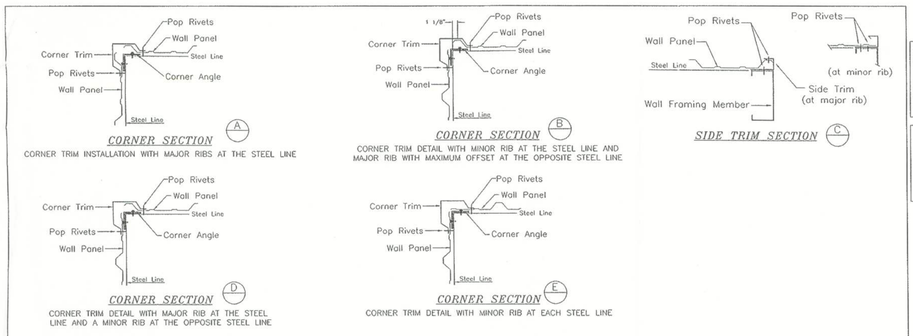
BASE EDGE INSTALLATION NOTES:

1. Base edge is furnished as an optional component of the building and if required must be specified on the purchase order. Base edge is in standard lengths of 20 feet.
2. Base edge is available in three different finishes, bronze, sandstone or aluminum. This selection must be specified on the purchase order.
3. Base edge is omitted at all framed openings. See other reference drawings for base member cut outs.
4. Attach base angle to foundation. Consult anchorage device manufacturer for recommended fastening to safely resist a lateral load of 168 lbs/ft of base angle. Suggested minimum fastening is 1/4"ø X 1 1/4" drive pin at 4'-0" o.c. Minimum edge distance is 2 3/8"
5. The aluminum base edge is to be field mitered at outside corners. The bronze or sandstone base edge is to be field cut at outside corners and then capped with a pre-formed, color matched corner member supplied with the order for each outside corner.
5. Base edge is to be field mitered at inside corners.
6. Base edge is to be field blocked at flush framed columns.

BASE CHANNEL INSTALLATION NOTES:

1. Base channel is furnished as an optional component of the building. Base channel is furnished in 25' lengths and is to be field cut to length.
2. Base channel is omitted at all framed openings. See other reference drawings for base member cut outs.
3. Attach base channel to foundation. Consult anchorage device manufacturer for recommended fastening to safely resist a lateral load of 168 lbs/ft of base angle. Suggested minimum fastening is 1/4"ø X 1 1/4" drive pin or expansion bolt at 4'-0" o.c. Minimum edge distance is 2"

RW0104-1



CORNER TRIM INSTALLATION NOTES:

1. Attach corner angle to wall framing members with one fastener at each member at each wall.
2. Install wall panels.
3. Install corner trim with pop rivets at 12" on center.

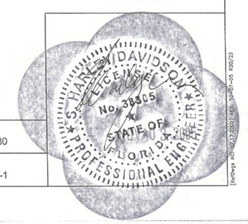
SIDE TRIM INSTALLATION NOTES:

1. Install side trim, prior to wall panel installation, to framing member with pop rivets at 12" on center.
2. Install wall panels.
3. Attach side trim to wall panel with pop rivets at 12" on center.

Rev.#	Description	Det.	Chk.	Date

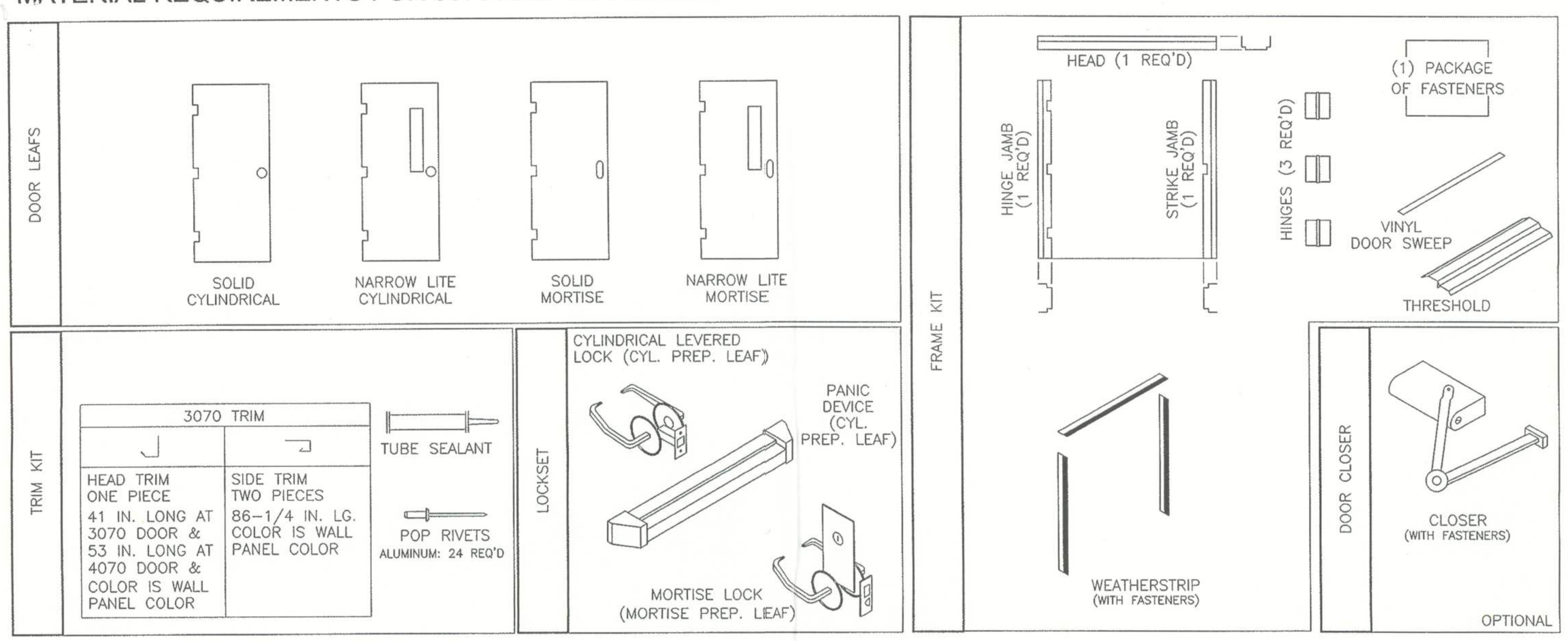
MBCI Building Solutions
P.O. Box 93933, Southlake, TX. Zip 76092 817-488-8511

Sheet Description		Buyer	Q Number	Order Number
REFERENCE DRAWING		Simque Construction	-	22-3680
Operator	Date	End Customer		Sheet Number
KEB	10-07-05	Rimrock Development, Inc	MBMA	RW0104-1



RW0201-0

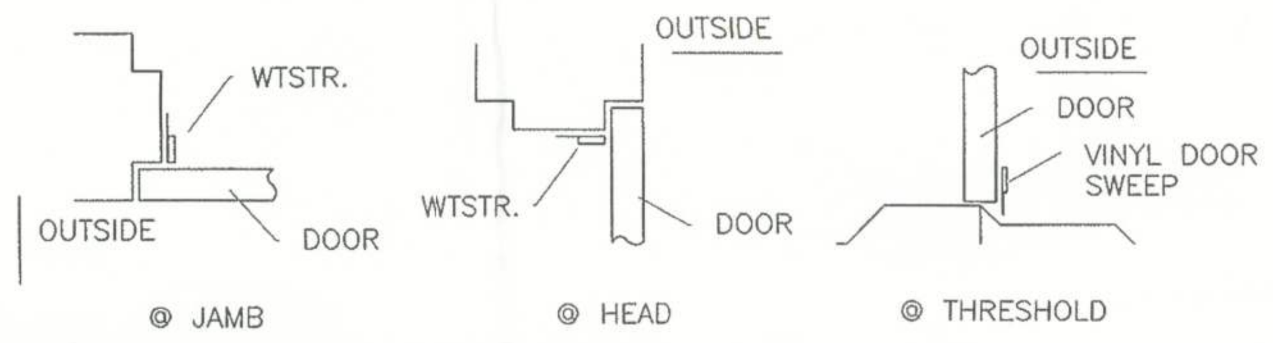
MATERIAL REQUIREMENTS FOR 3070 AND 4070 DOORS



3070 TRIM	
HEAD TRIM ONE PIECE 41 IN. LONG AT 3070 DOOR & 53 IN. LONG AT 4070 DOOR & COLOR IS WALL PANEL COLOR	SIDE TRIM TWO PIECES 86-1/4 IN. LG. COLOR IS WALL PANEL COLOR

NOTES:

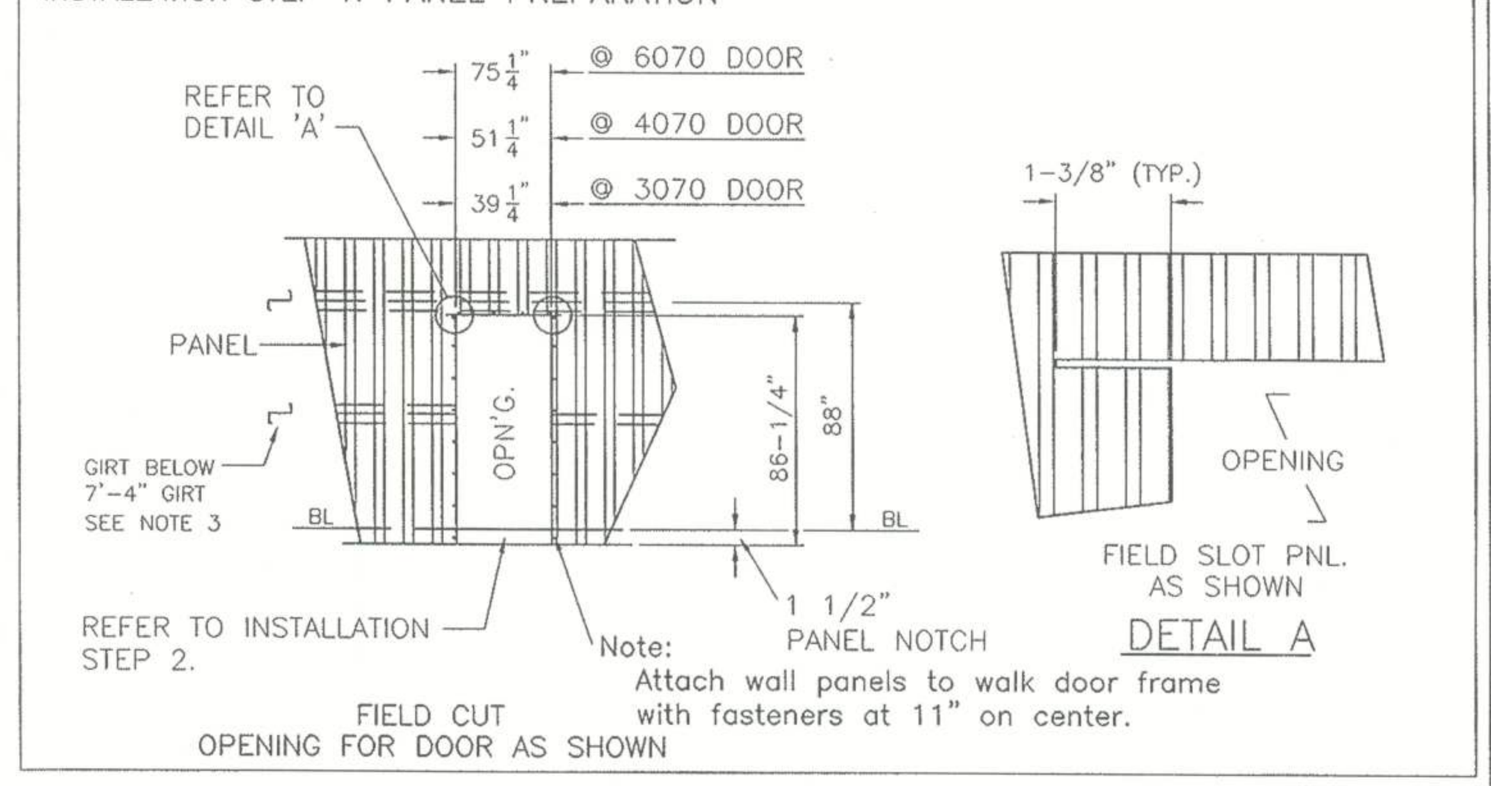
1. ALL PARTS FOR LOCKSET INSTALLATION NOT SHOWN. REFERENCE LOCKSET PACKAGE FOR INSTRUCTIONS.
2. THIS DRAWING IS TO BE USED WITH R06-03 & 04 FOR 3070 OR 4070 DOOR INSTALLATION.
3. REFERENCE BILL OF MATERIAL FOR ITEMS PROVIDED WITH THE ASSEMBLY.
4. GLASS FOR THE NARROW LITE DOORS IS NOT PROVIDED BY THE BUILDING MANUFACTURER AND MAY BE 1/8", 3/16" OR 1/4" THICK PLASTIC OR TEMPERED GLASS. THE ACTUAL SIZE REQUIRED IS 6 5/8" X 29 7/16".



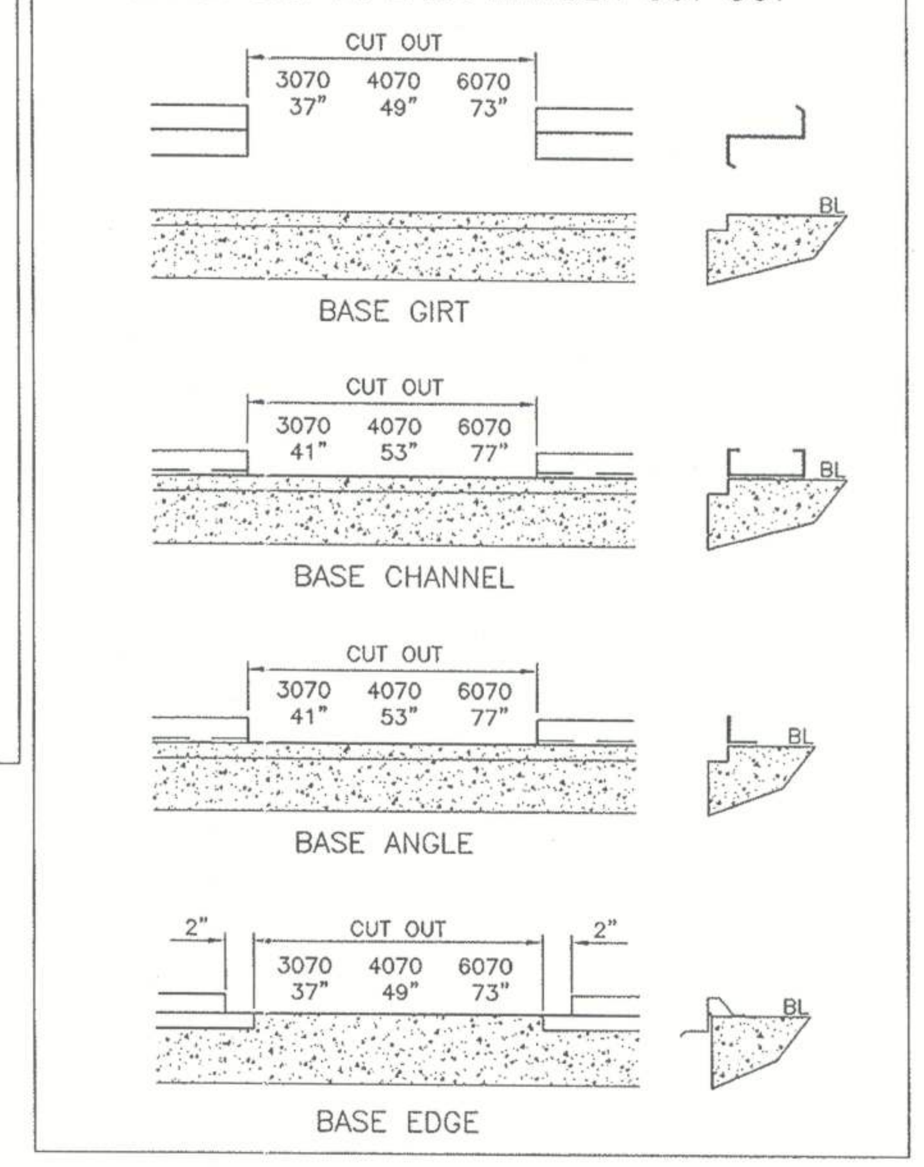
* LOCATE WEATHERSTRIP AND THRESHOLD AS SHOWN.

RW0203-1

INSTALLATION STEP 1: PANEL PREPARATION



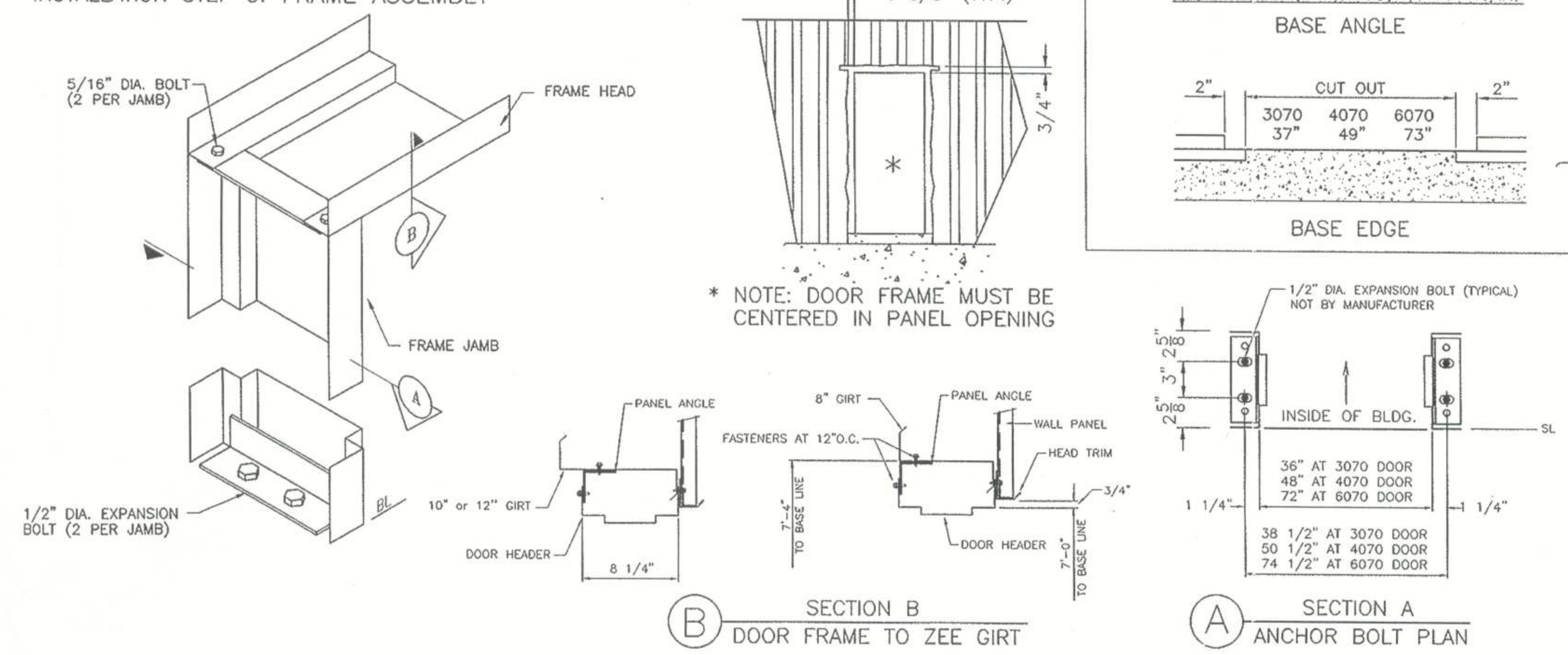
INSTALLATION STEP 2: BASE MEMBER CUT OUT



INSTALLATION NOTES

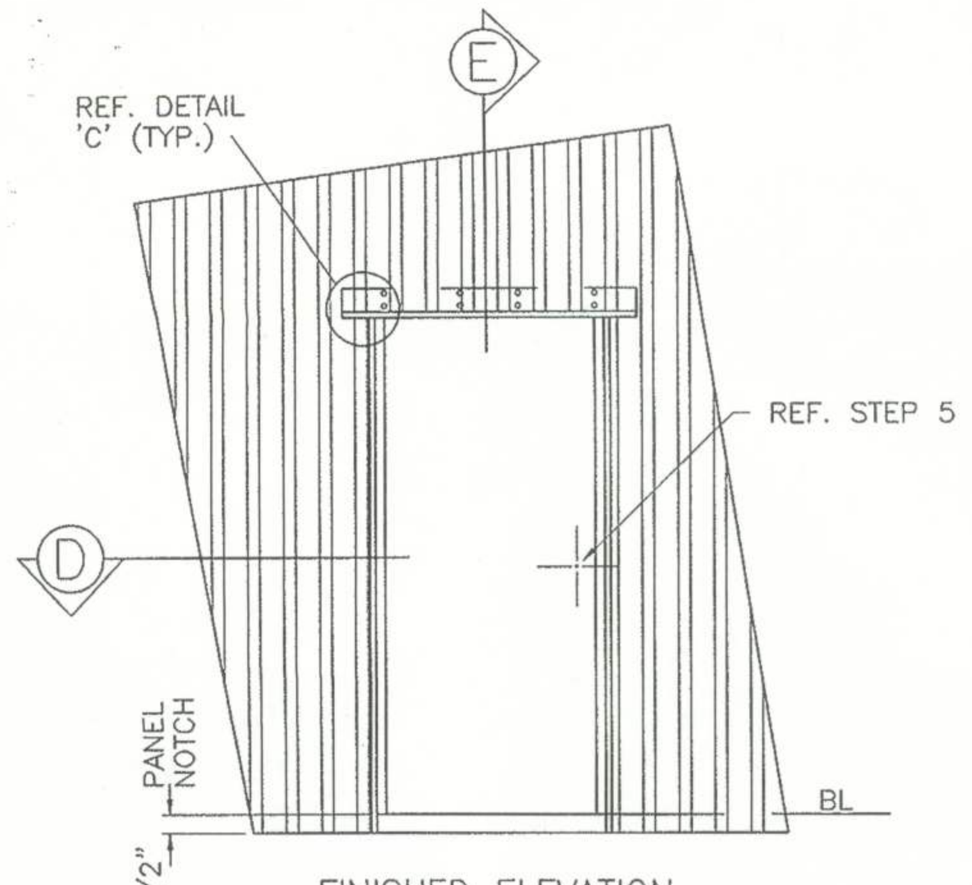
1. USING BILL OF MATERIALS AND REFERENCE DWGS. RW0201 or RW0202 LOCATE ALL MATERIALS REQ. TO INSTALL THE SIZE OF DOOR PROVIDED WITH THE ASSEMBLY.
2. AFTER DOOR LOCATION HAS BEEN ESTABLISHED FIELD CUT PANEL OPENING AS SHOWN IN INSTALLATION STEP 1 'PANEL PREPARATION.
3. REMOVE PANEL BASE ANCHORAGE MATERIAL TO DIMENSIONS SHOWN IN INSTALLATION STEP 2 'BASE MEMBER CUT OUT'.
   A) IF BASE GIRT OR INTERMEDIATE GIRT IS PROVIDED, FIELD CUT AS NOTED AND ATTACH TO DOOR FRAME WITH SCREWS AT LOCATIONS SHOWN ON ERECTION DWGS.
4. ASSEMBLE DOOR FRAME WITH BOLTS PROVIDED IN KIT. SQUARE FRAME AND ATTACH HEAD TO GIRT WITH SELF-DRILLING SCREWS AS SHOWN IN SECTION B. NOTE: DOOR FRAME MUST BE CENTERED IN PANEL CUT OUT TO ALLOW TRIM INSTALLATION TO WORK. ATTACH BASE OF DOOR FRAME TO ANCHOR POINTS AS SHOWN IN SECTION 'A'.
5. SEE REF. DWG. RW0204 FOR TRIM INSTALLATION. INSTALL HEAD TRIM BEFORE SIDE TRIM. INSTALL TRIMS AS SHOWN IN TRIM ASSEMBLY.
6. INSTALL WEATHERSTRIP/THRESHOLD AND/OR CLOSER IF REQUIRED.

INSTALLATION STEP 3: FRAME ASSEMBLY

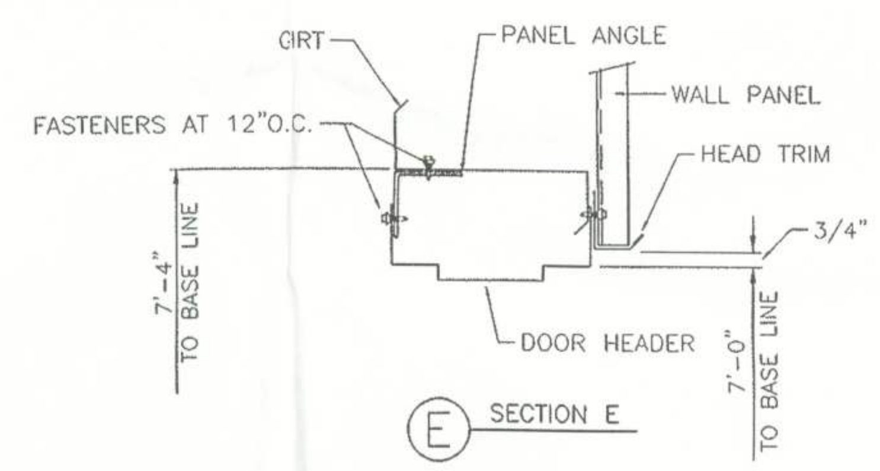


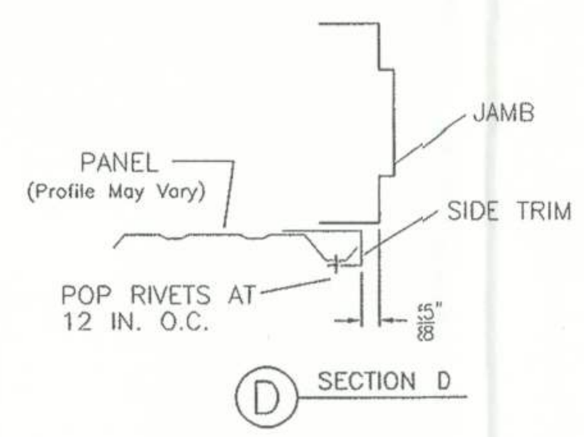
RW0204-0

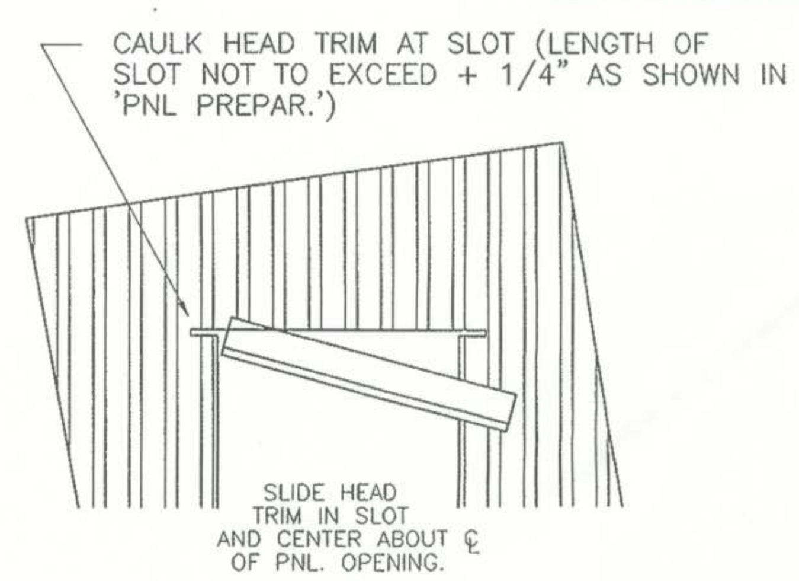
INSTALLATION STEP 4: TRIM ASSEMBLY



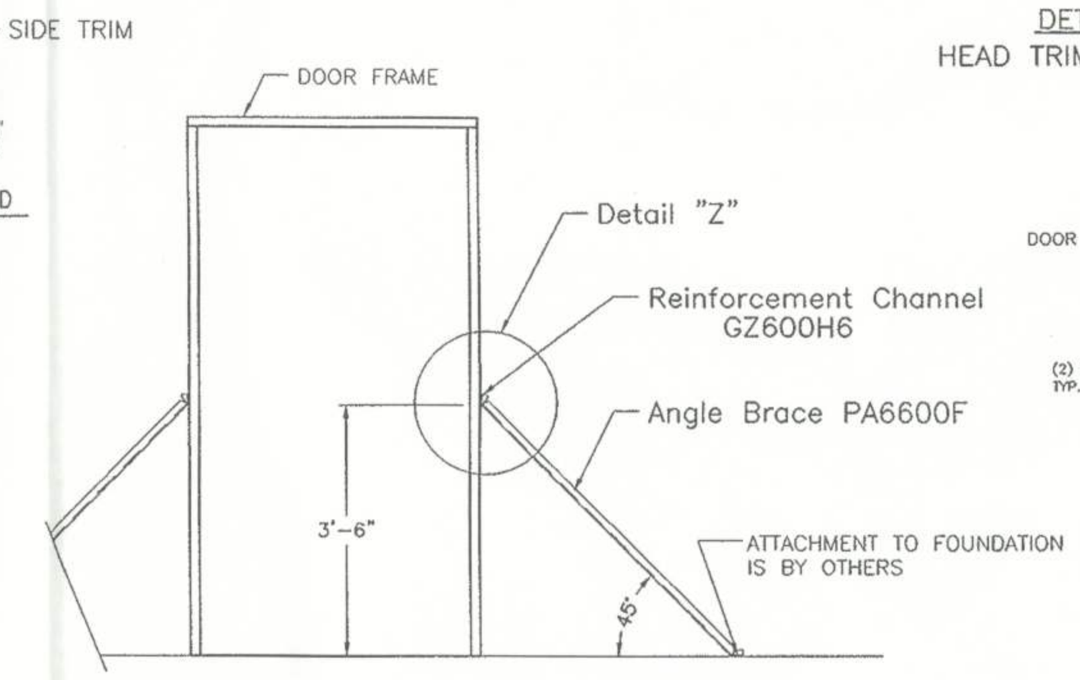
FINISHED ELEVATION
EXTERIOR VIEW SHOWN
INTERIOR VIEW AS NOTED



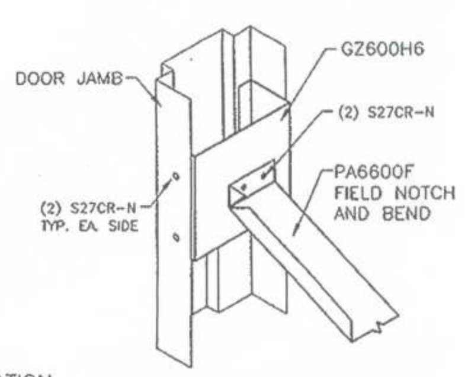




DETAIL C
HEAD TRIM INSTALLATION



"OPTIONAL" DOOR JAMB REINFORCEMENTS



Detail "Z"
TYPICAL AT EACH JAMB

INSTALLATION STEP 5: LOCKSETS

REFER TO INSTRUCTION PACKAGE PROVIDED WITH LOCKSETS FOR INSTALLATION.

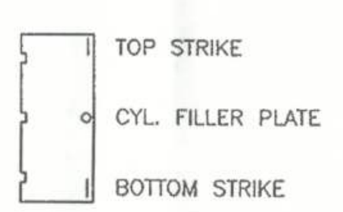
NOTE: CYLINDRICAL PREP DOOR LEAF FOR USE WITH CYLINDRICAL LOCKSETS AND/OR PANIC DEVICE.

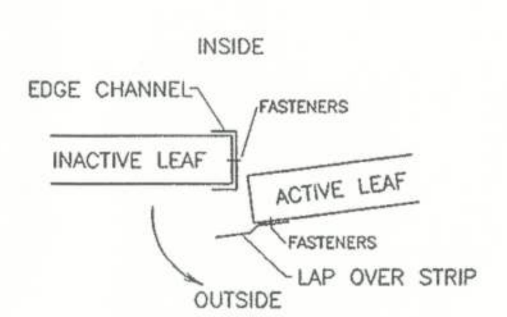
MORTISE PREP. DOOR LEAF FOR USE WITH MORTISE LOCKSETS ONLY.

INSTALLATION STEP 6: 6070 HARDWARE

6070 DOORS REQUIRE (1) ONE ACTIVE LEAF AND (1) INACTIVE LEAF. INACTIVE LEAF IS ALWAYS A CYLINDRICAL PREP. DOOR LEAF.

INSTALL CYLINDRICAL FILLER PLATE, ASTRAGAL, TOP AND BOTTOM SURFACE BOLTS TO INACTIVE LEAF.





SECTION THRU ASTRAGAL

Rev.#	Description	Det.	Chk.	Date

Sheet Description	Buyer	Q Number	Order Number
REFERENCE DRAWING	Simque Construction	-	22-3680
Operator: KEB	Date: 10-07-05	End Customer: Rimrock Development, Inc	Sheet Number